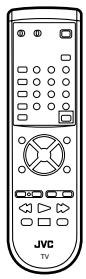
JVC

SERVICE MANUAL

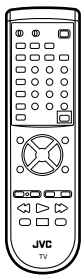
COLOR TELEVISION

BASIC CHASSIS
GC

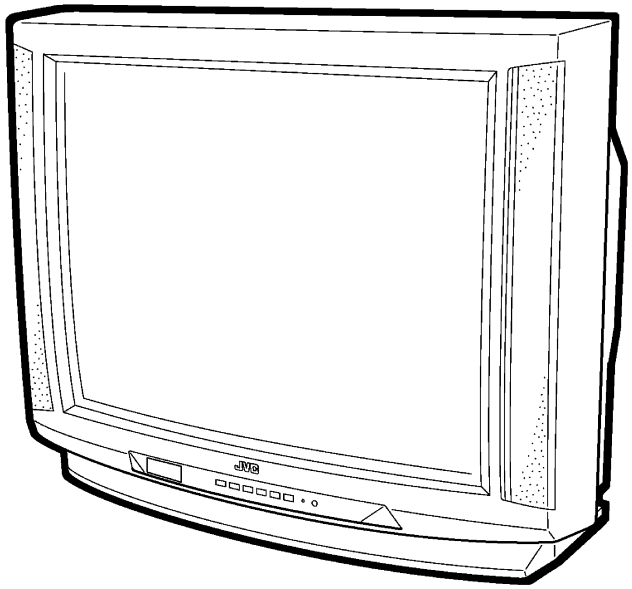
AV-36D202/AH **AV-36D302/AH** **AV-36D502/AH**
AV-36D202/AM **AV-36D302/AM** **AV-36D502/AM**
AV-36D202/AR **AV-36D302/AR** **AV-36D502/AR**
AV-36D202/AY **AV-36D302/AY** **AV-36D502/AY**



RM-C303G
[AV-36D202]
[AV-36D302]



RM-C301G
[AV-36D502]



CONTENTS

■ SPECIFICATIONS 2
■ SAFETY PRECAUTIONS 3
■ FEATURES 4
■ MAIN DIFFERENCE LIST 5
■ HOW TO IDENTIFY MODELS 6
■ FUNCTIONS 7
■ SPECIFIC SERVICE INSTRUCTIONS 8
■ SERVICE ADJUSTMENTS 14
★ STANDARD CIRCUIT DIAGRAM (APPENDIX) 2-1
■ PARTS LIST 37

COPYRIGHT © 2001 VICTOR COMPANY OF JAPAN, LTD.

No. 51798C
Dec. 2001

SPECIFICATIONS

Items	Contents
Dimensions (W × H × D)	33-7/8" × 27× 21-5/8" / 85.9cm × 68.4cm × 54.8cm
Mass	114.4 lbs / 52.0 kg
TV RF System	CCIR(M)
Color Sound System	NTSC, BTSC System (Multi Channel Sound)
TV Receiving Channels and Frequency	
VL Band	(02~06) 54MHz~88MHz
VH Band	(07~13) 174MHz~216MHz
UHF Band	(14~69) 470MHz~806MHz
CATV Receiving Channels and Frequency	
Low Band	(02~06, A-8) by (02~06&01)
High Band	(07~13) by (07~13)
Mid Band	(A~1) by (14~22)
Super Band	(J~W) by (23~36) (54MHz~804MHz)
Hyper Band	(W+1~W+28) by (37~64)
Ultra Band	(W+29~W+84) by (65~125)
Sub Mid Band	(A8, A4~A1) by (01, 96~99)
TV/CATV Total Channel	180 Channels
Intermediate Frequency	
Video IF Carrier	45.75MHz
Sound IF Carrier	41.25MHz (4.5MHz)
Color Sub Carrier	3.58MHz
Power Input	120V AC, 60Hz
Power Consumption	128W [AV-36D202, AV-36D302], 133W [AV-36D502]
Picture Tube	32" (80cm) Measured Diagonally
High Voltage	31kV±1.3kV (at zero beam current)
Speaker	2" × 4-3/4" / 5 × 12cm Oval type × 2
Audio Power Output	4W × 2 [AV-36D202, AV-36D302], 5W × 2 [AV-36D502]
Video / Audio Input (1 / 2 / 3)	Video(1,3) : 1Vp-p, 75Ω (RCA pin jack) Audio(1,2,3) : 500mVrms (-4dBs), High Impedance (RCA pin jack) S-Video (Input 1 Over) [AV-36D202, AV-36D302] (Input 1 / 2 Over) [AV-36D502] Y : 1Vp-p Positive (negative sync provided, when terminated with 75Ω) C : 0.286Vp-p (burst signal, when terminated with 75Ω) Component Input (Input 2) Y : 1Vp-p positive (negative sync provided, when terminated with 75Ω) P_B/P_R : 0.7Vp-p 75 Ω
Audio Output (Variable)	Variable : More then 0~1550mVrms (+6dBs) Low impedance (400Hz when modulated 100%) (RCA pin jack)
AV Compu link EX Input	3.5mm mini jack
Antenna terminal	75Ω(VHF/UHF) Terminal, F-Type Connector
Remote Control Unit	RM-C303G-1A [AV-36D202, AV-36D302] RM-C301G-2A [AV-36D502] (AA/R6/UM-3 battery × 2)

Design & specifications are subject to change without notice.

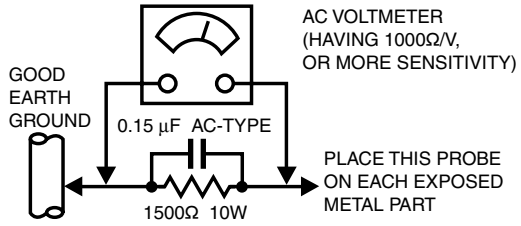
SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
   The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
   Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
   If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
    (Safety for Electrical Shock Hazard)
    After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

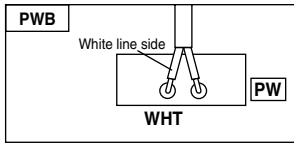
● **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



11. **High voltage hold down circuit check.**
    After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
    See item **"How to check the high voltage hold down circuit".**

This mark shows a fast operating fuse, the letters indicated below show the rating.

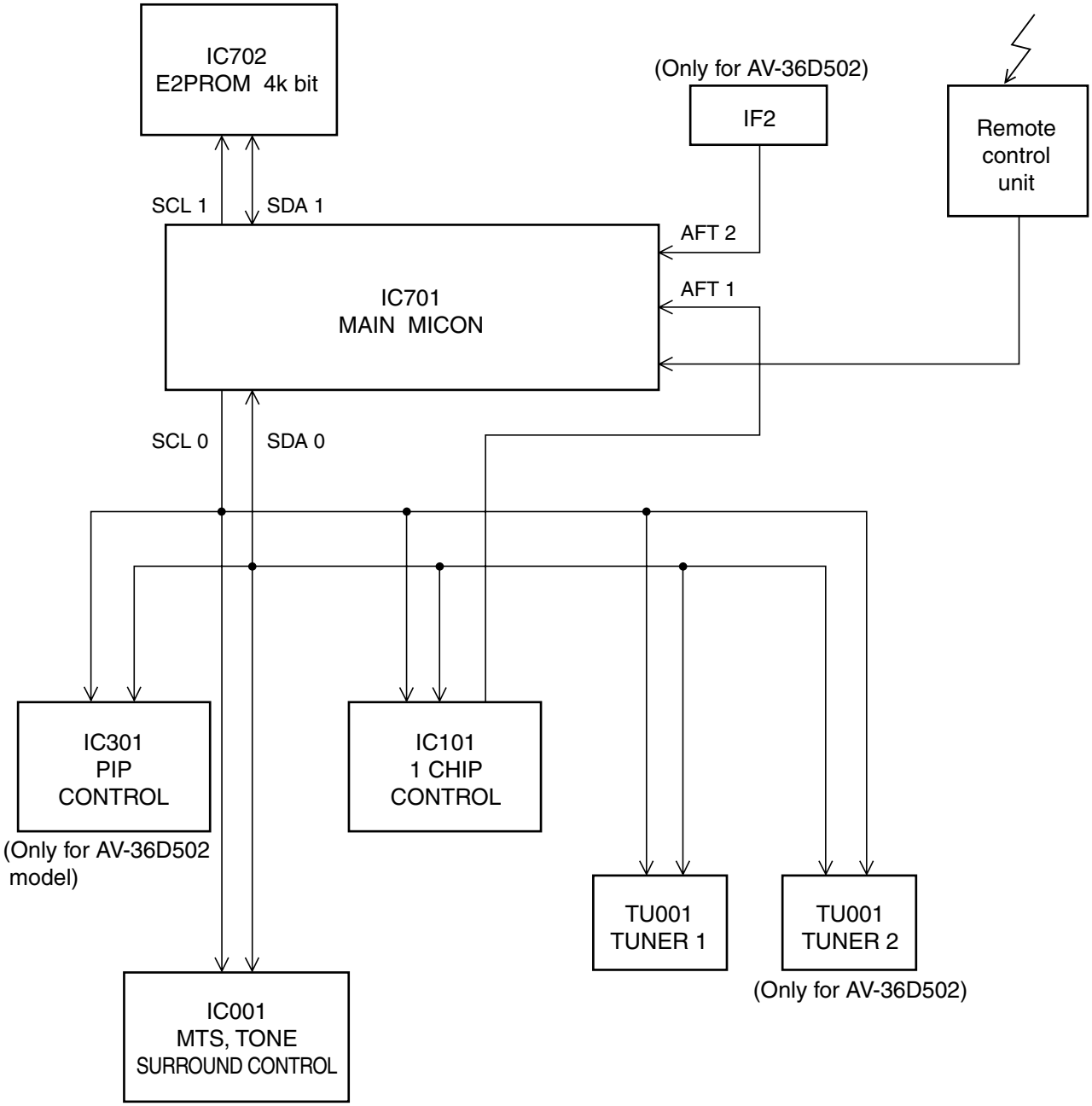
POWER CORD
REPLACEMENT WARNING
Connecting the white line side of power cord to "WHT" character side.



FEATURES

- Full-square CRT (cathode ray tube) reproduces fine textured picture in every detail.
- I^2C bus control utilizes single chip ICs.
- Built in Twin Tuner system. [Only for AV-36D502]
- Built-in HYPER-SURROUND system.
- Adoption of the Picture-In-Picture (PIP) function. [Only for AV-36D502]
- 3 LINE DIGITAL COMB FILTER circuit improved picture quality.
- Component input terminal for talking best advantage of Component Video Signal.
- Audio Video input terminal.
  (S-input ×1, V-input ×2) [AV-36D202, AV-36D302]
  (S-input ×2, V-input ×2) [AV-36D502]
- Variable audio output terminal.
- Closed-caption broadcasts can be viewed.
- With AV COMPU LINK EX terminal.

■ SYSTEM BLOCK DIAGRAM



MAIN DIFFERENCE LIST

[AV-36D202/AH & AV-36D202/AM & AV-36D202/AR & AV-36D202/AY]

⚠	Model / Part name	AV-36D202/AH	AV-36D202/AM	AV-36D202/AR	AV-36D202/AY
	MAIN PWB	SGC-1017A-M2	SGC-1018A-M2	SGC-1016A-M2	SGC-1015A-M2
	CRT SOCKET PWB	SGC-3008A-M2	SGC-3006A-M2	SGC-3007A-M2	SGC-3010A-M2
⚠	PICTRE TUBE	A90LPY30X04	A90LLD361X15	A90AEJ15X01	A90AHH50X10/V/
⚠	DEG. COIL	CELD067-001JA	QQW0114-001	CELD067-001JA	←

[AV-36D302/AH & AV-36D302/AM & AV-36D302/AR & AV-36D302/AY]

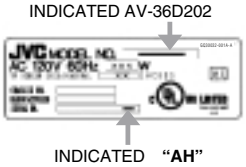
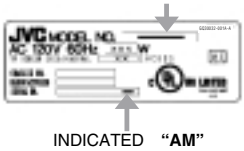
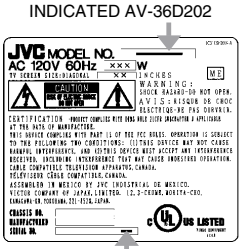
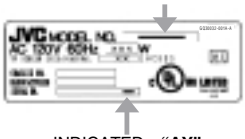
⚠	Model / Part name	AV-36D302/AH	AV-36D302/AM	AV-36D302/AR	AV-36D302/AY
	MAIN PWB	SGC-1017A-M2	SGC-1018A-M2	SGC-1016A-M2	SGC-1015A-M2
	CRT SOCKET PWB	SGC-3008A-M2	SGC-3006A-M2	SGC-3007A-M2	SGC-3010A-M2
⚠	PICTURE TUBE	A90LPY30X04	A90LLD361X15	A90AEJ15X01	A90AHH50X10/V/
⚠	DEG. COIL	CELD067-001JA	QQW0114-001	CELD067-001JA	←

[AV-36D502/AH & AV-36D502/AM & AV-36D502/AR & AV-36D502/AY]

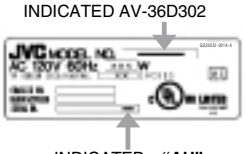
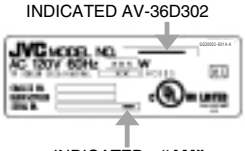
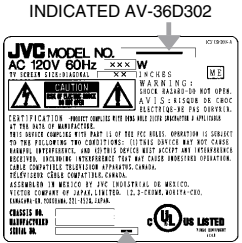
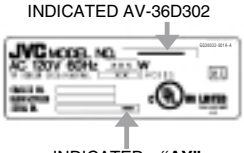
⚠	Model / Part name	AV-36D502/AH	AV-36D502/AM	AV-36D502/AR	AV-36D502/AY
	MAIN PWB	SGC-1010A-M2	SGC-1009A-M2	SGC-1008A-M2	SGC-1007A-M2
	CRT SOCKET PWB	SGC-3008A-M2	SGC-3006A-M2	SGC-3007A-M2	SGC-3010A-M2
⚠	PICTURE TUBE	A90LPY30X04	A90LLD361X15	A90AEJ15X01	A90AHH50X10/V/
⚠	DEG. COIL	CELD067-001JA	QQW0114-001	CELD067-001JA	←

HOW TO IDENTIFY MODELS

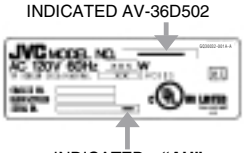
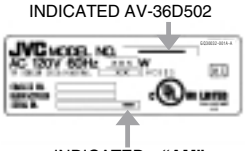
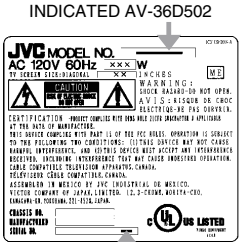
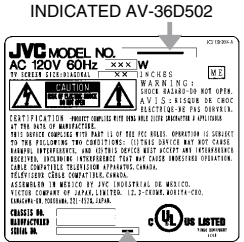
- The difference between **AV-36D202/AH**, **AV-36D202/AM**, **AV-36D202/AR** and **AV-36D202/AY** is in the PICTURE TUBE.
  As the result of the difference in **PICTURE TUBE**, the **MAIN PWB** also differ.

⚠	Model / Parts name	AV-36D202/AH	AV-36D202/AM	AV-36D202/AR	AV-36D202/AY
⚠	RATING LABEL	GQ30032-001A-A	←	LC31139-001A-A	GQ30032-001A-A
		INDICATED AV-36D202  INDICATED **"AH"**	INDICATED AV-36D202  INDICATED **"AM"**	INDICATED AV-36D202  INDICATED **"AR"**	INDICATED AV-36D202  INDICATED **"AY"**

- The difference between **AV-36D302/AH**, **AV-36D302/AM**, **AV-36D302/AR** and **AV-36D302/AY** is in the PICTURE TUBE.
  As the result of the difference in **PICTURE TUBE**, the **MAIN PWB** also differ.

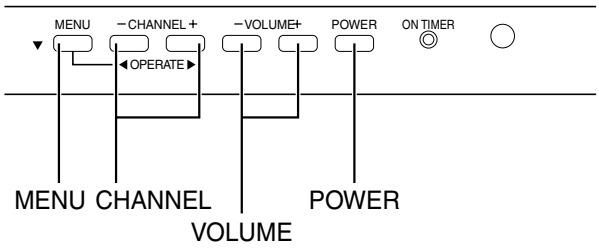
⚠	Model / Parts name	AV-36D302/AH	AV-36D302/AM	AV-36D302/AR	AV-36D302/AY
⚠	RATING LABEL	GQ30032-001A-A	←	LC31139-001A-A	GQ30032-001A-A
		INDICATED AV-36D302  INDICATED **"AH"**	INDICATED AV-36D302  INDICATED **"AM"**	INDICATED AV-36D302  INDICATED **"AR"**	INDICATED AV-36D302  INDICATED **"AY"**

- The difference between **AV-36D502/AH**, **AV-36D502/AM**, **AV-36D502/AR** and **AV-36D502/AY** is in the PICTURE TUBE.
  As the result of the difference in **PICTURE TUBE**, the **MAIN PWB** also differ.

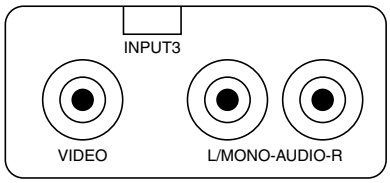
⚠	Model / Parts name	AV-36D502/AH	AV-36D502/AM	AV-36D502/AR	AV-36D502/AY
⚠	RATING LABEL	GQ30032-001A-A	←	LC31139-001A-A	←
		INDICATED AV-36D502  INDICATED **"AH"**	INDICATED AV-36D502  INDICATED **"AM"**	INDICATED AV-36D502  INDICATED **"AR"**	INDICATED AV-36D502  INDICATED **"AY"**

FUNCTIONS

■ FRONT PANEL



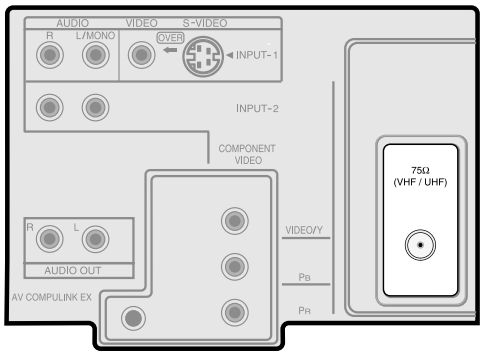
■ FRONT PANEL DOOR OPENED



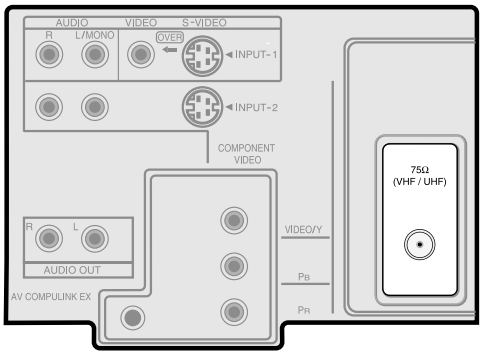
INPUT3 VIDEO/AUDIO TERMINAL

■ REAR PANEL

[AV-36D202, AV-36D302]

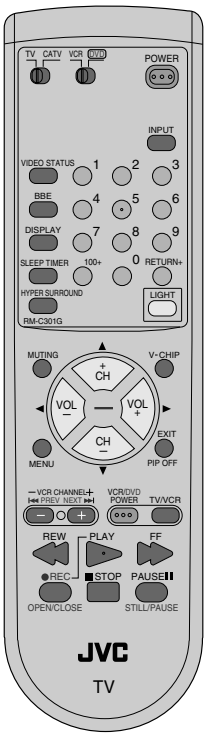


[AV-36D502]

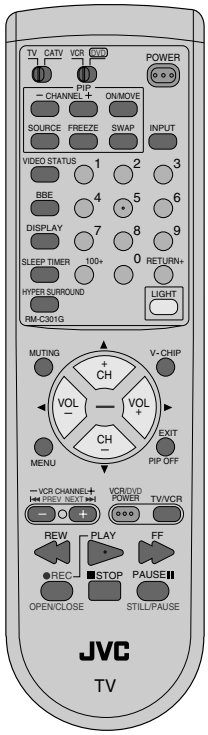


■ REMOTE CONTROL UNIT

(RM-C303G-1A) [AV-36D202] [AV-36D302]



(RM-C301G-2A) [AV-36D502]



SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power supply cord.
2. Remove the 12 screws marked Ⓐ as shown in Fig.1.
3. Withdraw the REAR COVER toward you.

[CAUTION]

- When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the rear cover groove.

REMOVING THE CHASSIS

- After removing the rear cover.

1. Slightly raise the both sides of the chassis by hand and remove the 3 claws marked Ⓑ under the chassis from the front cabinet as shown in Fig.1.
2. Withdraw the chassis backward along the rail in the arrow direction marked Ⓒ as shown in Fig.1.

   (If necessary, take off the wire clamp, connector's etc.)

   * When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT SOCKET PWB and the MAIN PWB.

REMOVING THE TERMINAL BOARD

- After removing the rear cover.

1. Remove the 4 screws marked Ⓓ as shown in Fig.1.
2. When you pull out the TERMINAL BOARD in the direction of arrow marked Ⓔ as shown in Fig.1, it can be removed.

REMOVING THE FRONT CONTROL AND FRONT AV INPUT PW BOARDS

- After removing the rear cover and chassis.

1. Remove the 3 screws marked Ⓕ and the 2 screws marked Ⓖ as shown in Fig.1.
2. Then remove the FRONT CONTROL PWB and FRONT AV INPUT PWB.

   (If necessary, take off the wire, connector's etc.)

REMOVING THE SPEAKER

- After removing the rear cover.

1. Remove the 4 screws marked Ⓗ as shown in Fig.1.
2. Withdraw the speaker backward.
3. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

1. To check the back side of the MAIN PW Board.
   1) Pull out the chassis. (Refer to REMOVING THE CHASSIS).
   2) Erect the chassis vertically so that you can easily check the back side of the MAIN PW Board.

[CAUTION]

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

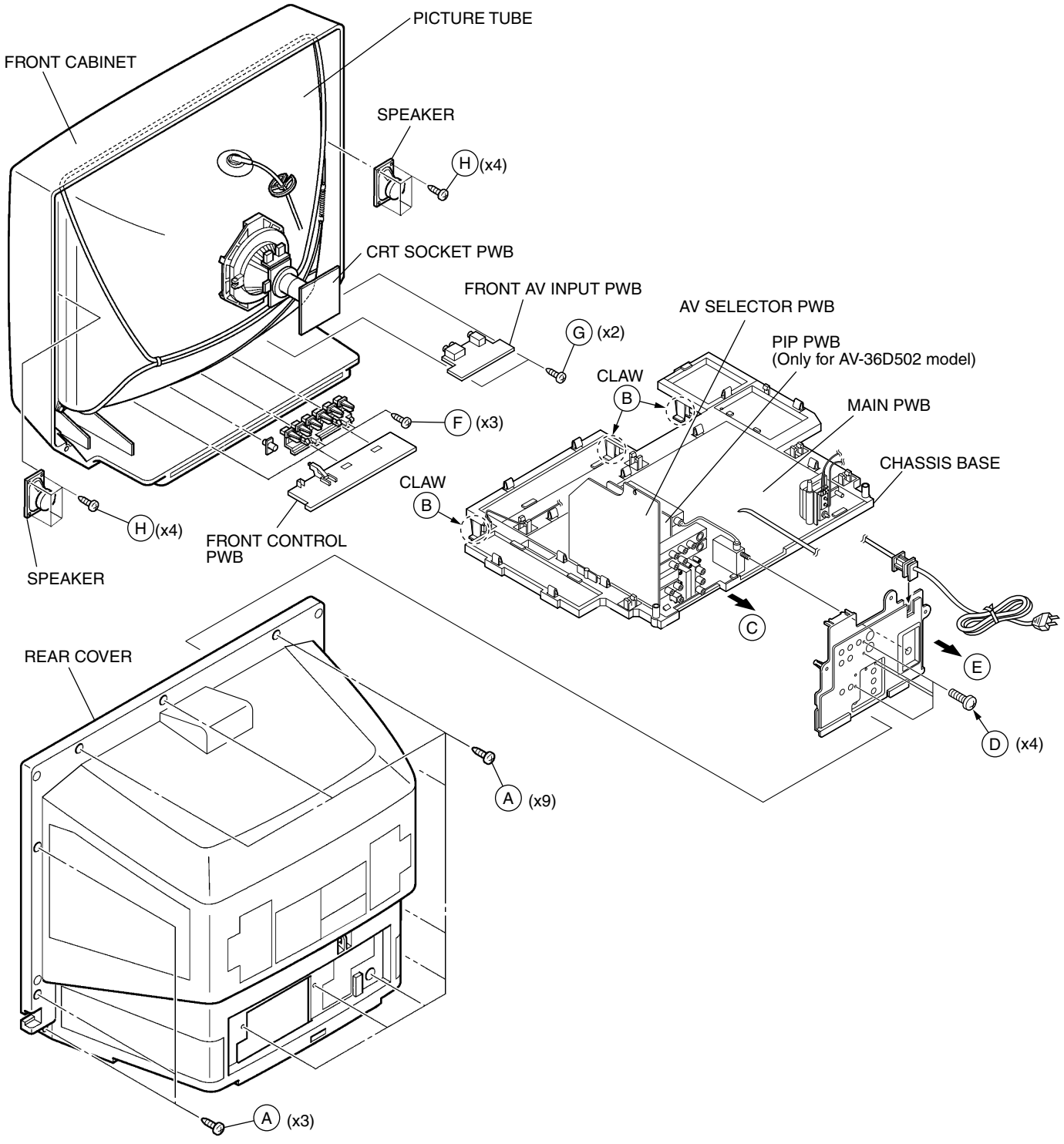

PICTURE TUBE
FRONT CABINET
SPEAKER
H (x4)
CRT SOCKET PWB
FRONT AV INPUT PWB
AV SELECTOR PWB
G (x2)
PIP PWB
(Only for AV-36D502 model)
CLAW
B
F (x3)
MAIN PWB
CHASSIS BASE
CLAW
B
H (x4)
FRONT CONTROL
PWB
SPEAKER
C
E
D (x4)
REAR COVER
A (x9)
A (x3)

Fig.1

REMOVING THE CRT

* Replacement of the CRT should be performed by 2 or more persons.

● After removing the rear cover, chassis etc.,

1. Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 2).
2. While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 3.
3. Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 3.

● Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

4. After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 4.

● The CRT should be assembled according to the opposite sequence of its dismounting steps.

* The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

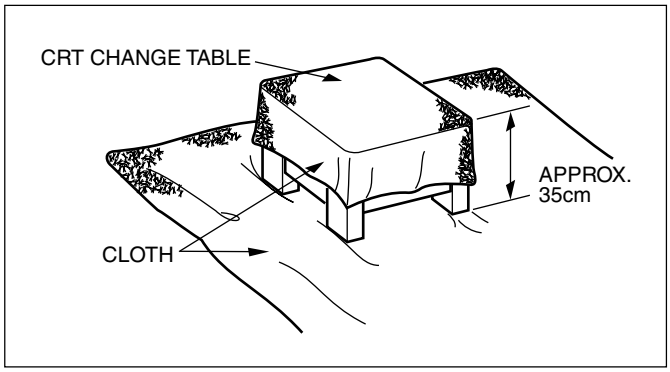


Fig. 2

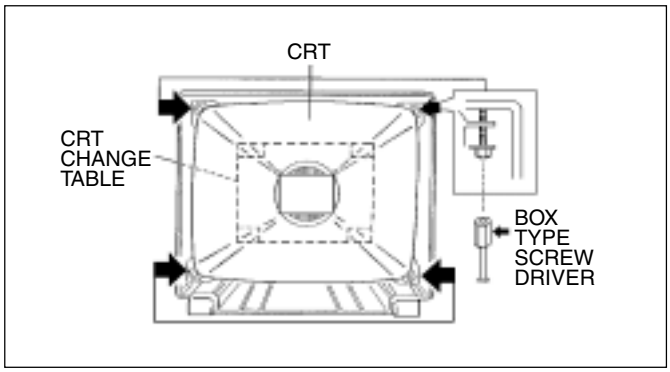


Fig. 3

COATING OF SILICON GREASE FOR ELECTRICAL INSULATION ON THE CRT ANODE CAP SECTION

● Subsequent to replacement of the CRT and HV transformer or repair of the anode cap, etc. by dismounting them, be sure to coat silicon grease for electrical insulation as shown in Fig. 5.
Wipe around the anode button with clean and dry cloth. (Fig. 5)
Coat silicon grease on the section around the anode button. At this time, take care so that any silicon greases dose not sticks to the anode button. (Fig. 6)

★ **Silicon grease product No. KS - 650N**

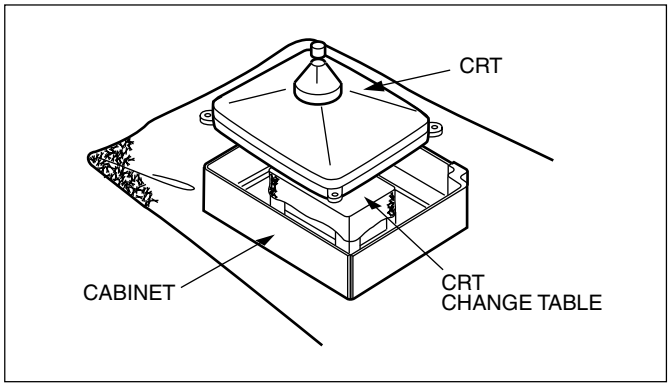


Fig. 4

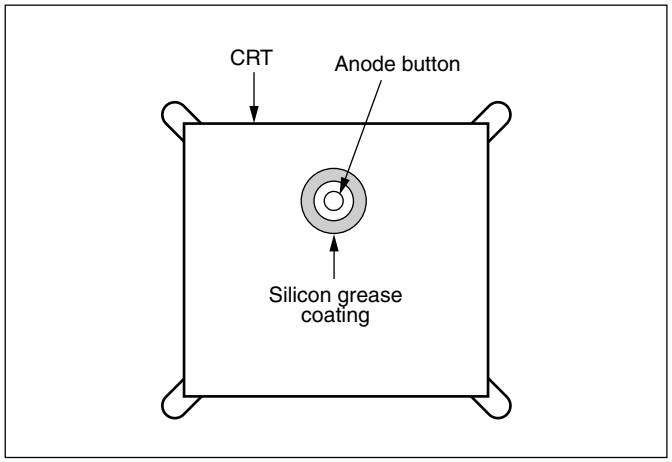


Fig. 5

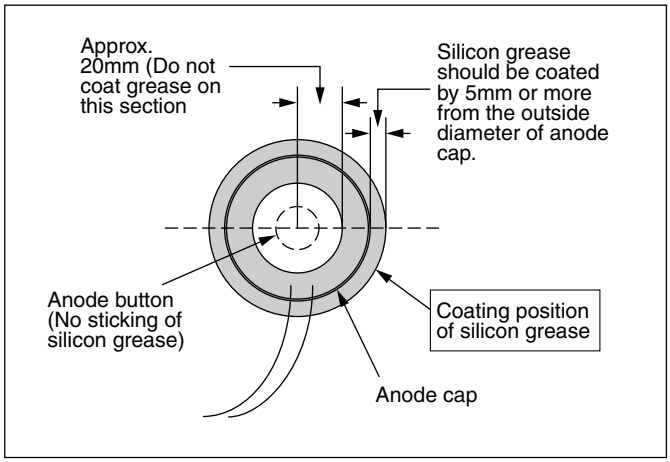


Fig. 6

MEMORY IC REPLACEMENT

1. Memory IC

This model use a memory IC.
This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

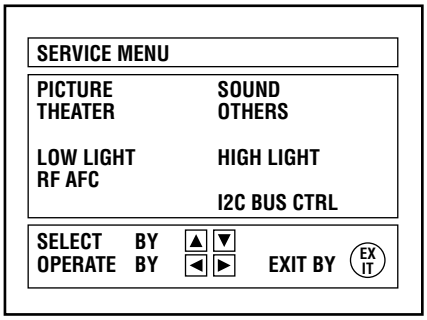
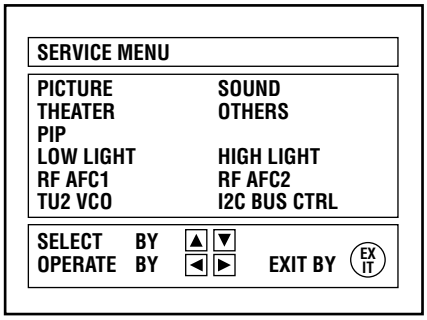
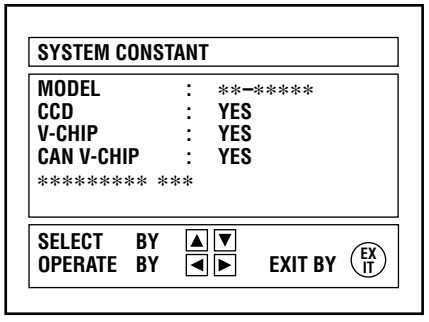
Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
(4) System constant check and setting 1) Press **SLEEP TIMER** key and, while the indication of "**SLEEP TIMER 0 MIN.**" is being displayed, press **DISPLAY** key and **VIDEO STATUS** key on the remote control unit simultaneously. 2) The SERVICE MENU screen of Fig.1 is displayed. 3) While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the Fig.2 SYSTEM CONSTANT screen. 4) Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) 5) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. 6) Press the EXIT key twice to return the normal screen.	 [AV-36D202, AV-36D302]  [AV-36D502] Fig.1
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS(USER'S GUIDE) and set the receive channels (Channels Preset) as described.	
(6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary.(Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	 Fig.2

TABLE 1 (System Constant setting)

Setting item	Setting content	Setting value		
		AV-36D202	AV-36D302	AV-36D502
MODEL	AV-27D502A → AV-32D502A → AV-36D502A → AV-32D302A → AV-36D302A → AV-32D202A → AV-36D202A → AV-27260A → AV-32260A → AV-36260A → AV-32230A → AV-36230A →	AV-36D202A	AV-36D302A	AV-36D502A
CCD	YES → NO →	YES		
V-CHIP	YES → NO →	YES		
CAN V-CHIP	YES → NO →	YES		

TABLE 2 (User setting value)

Setting item	Setting value
1. Use remote controller keys	
POWER	OFF
CHANNEL	CH-02
VOLUME	5
INPUT	TV
HYPER SURROUND	OFF
DISPLAY	OFF
BBE	ON
SLEEP TIMER	0
VIDEO STATUS	CHOICE
PIP SOURCE	CH-04] Only for AV-36D502
PIP ON (PIP POSITION)	LEFT LOWER SIDE] Only for AV-36D502
2. Setting of MENU	
PICTURE ADJUST	
TINT	CENTER
COLOR	CENTER
PICTURE	CENTER
BRIGHT	CENTER
DETAIL	CENTER
NOISE MUTING	ON
SET VIDEO STATUS	ALL CENTER
SOUND ADJUST	
BASS	CENTER
TREBLE	CENTER
BALANCE	CENTER
MTS	STEREO
CLOCK/TIMERS	
SET CLOCK	Unnecessary to set
ON/OFF TIMER	NO
INITIAL SETUP	
TV SPEAKER	ON
COMPONENT-IN	NO
LANGUAGE	ENG
CLOSED CAPTION	OFF
AUTO TUNER SETUP	TUNER MODE : AIR
CHANNEL SUMMARY	Unnecessary to set
V-CHIP	OFF
SET LOCK CODE	Unnecessary to set

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

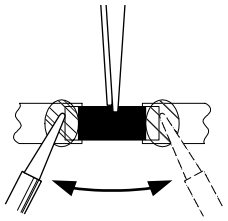
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

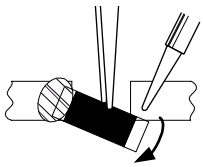
1. How to remove Chip parts

◆ **Resistors, capacitors, etc.**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

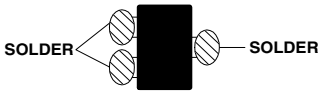


(2) Shift with tweezers and remove the chip part.

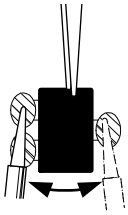


◆ **Transistors, diodes, variable resistors, etc.**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

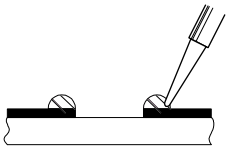


Note : After removing the part, remove remaining solder from the pattern.

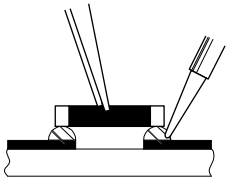
2. How to install Chip parts

◆ **Resistors, capacitors, etc.**

(1) Apply solder to the pattern as indicated in the figure.

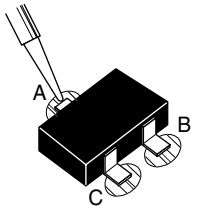


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

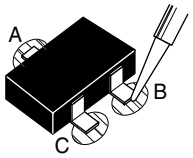


◆ **Transistors, diodes, variable resistors, etc.**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION

1. **You can make the necessary adjustments for this unit with either the remote control unit or with the adjustment equipment and parts as given below.**
2. **Adjustment with the remote control unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.**
3. Make sure that AC power is turned on correctly.
4. Turn on the power for the set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
6. Never touch any adjustment parts, which are not specified in the list for this adjustment-variable resistors, transformers, capacitors, etc.
7. Presetting before adjustment.
   Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

● User mode setting position

VIDEO STATUS	STANDARD
HYPER SURROUND	OFF
BASS, TREBLE, BALANCE	CENTER
TINT, COLOR, PICTURE, BRIGHT, DETAIL	CENTER

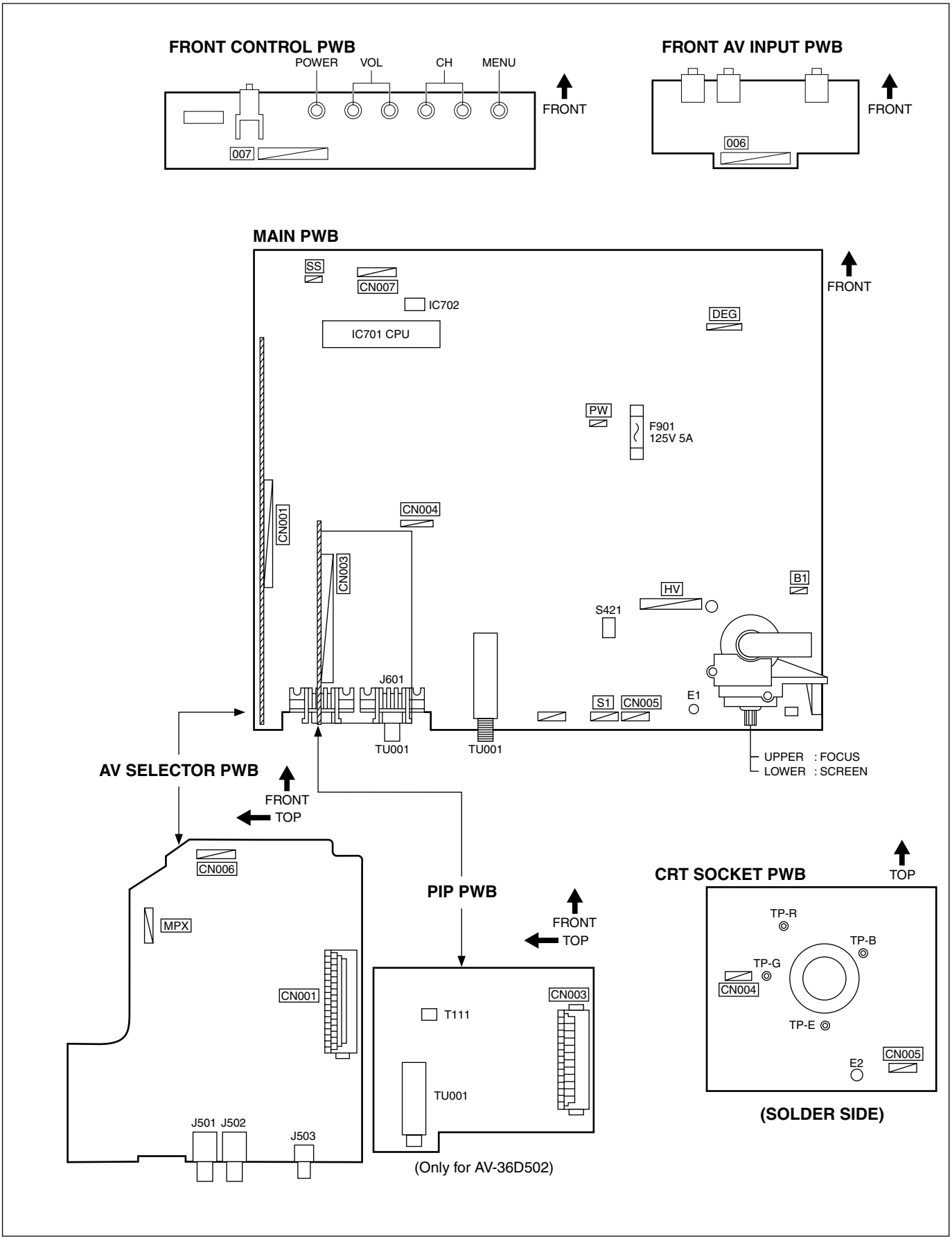
MEASURING INSTRUMENT

1. DC voltmeter(or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator
6. Frequency counter
7. Resistor (1MΩ)

ADJUSTMENT ITEMS

- Check of B1 POWER SUPPLY
- RF AGC adjustment
- TU2 VCO adjustment [Only for AV-36D502]
- FOCUS adjustment
- WHITE BALANCE adjustment
  - WHITE BALANCE (Low Light) adjustment
  - WHITE BALANCE (High Light) adjustment
  - PIP HIGH LIGHT WHITE BALANCE adjustment [Only for AV-36D502]
- BRIGHT adjustment
  - SUB BRIGHT adjustment
- CONTRAST adjustment
  - SUB CONTRAST adjustment
- DEFLECTION adjustment
  - V POSITION and V SIZE adjustment
  - H SIZE and H POSITION adjustment
  - SIDE PIN and CORNER PIN adjustment
  - PIP DISPLAY POSITION adjustment [Only for AV-36D502]
- CHROMA adjustment
  - SUB COLOR adjustment
  - SUB TINT adjustment
- MTS circuit adjustment
  - INPUT LEVEL check
  - STEREO VCO adjustment
  - SAP VCO adjustment
  - FILTER check
  - SEPARATION adjustment
- PURITY and CONVERGENCE adjustments
  - PURITY adjustment
  - STATIC CONVERGENCE adjustment
  - DYNAMIC CONVERGENCE adjustment

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

- PICTURE ..... This sets the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.
- SOUND ..... This sets the setting values (adjustment values) of the AUDIO circuit.
- THEATER ..... This is used when the THEATER MODE is adjusted.
- OTHERS ..... This is used when the OTHERS MODE is adjusted.
- PIP ..... This sets the setting values (adjustment values) of the PIP circuit. **[Only for AV-36D502]**
- LOW LIGHT ..... This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- HIGH LIGHT ..... This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- RF AFC ..... This is used when the RF AFC MODE is verified. **[Do not adjust/Only for AV-36D202 and AV-36D302]**
- RF AFC1 ..... This is used when the RF AFC1 MODE is verified. **[Do not adjust/Only for AV-36D502]**
- RF AFC2 ..... This is used when the RF AFC2 MODE is verified. **[Do not adjust/Only for AV-36D502]**
- TU2 VCO ..... This is used when the TU2 VCO MODE is adjusted. **[Only for AV-36D502]**
- I2C BUS CTRL ..... This is used when ON/OFF of the I2C BUS CTRL is set. **[Fixed ON]**

3. Basic Operations of the SERVICE MENU

(1) How to enter the SERVICE MENU.

Press **SLEEP TIMER** key and, while the indication of **"SLEEP TIMER 0 MIN."** is being displayed, press **DISPLAY** key and **VIDEO STATUS** key on the remote control unit simultaneously to enter the **SERVICE MENU** screen ① shown in the next figure page.

(2) SERVICE MENU screen selection

Press the UP / DOWN key of the MENU to select any of the following items.
(The letters of the selected items are displayed in yellow.)

[AV-36D202, AV-36D302]

- PICTURE
- SOUND
- THEATER
- OTHERS
- LOW LIGHT
- HIGH LIGHT
- RF AFC
- I2C BUS CTRL

[AV-36D502]

- PICTURE
- SOUND
- THEATER
- OTHERS
- PIP
- LOW LIGHT
- HIGH LIGHT
- RF AFC1
- RF AFC2
- TU2 VCO
- I2C BUS CTRL

(3) Enter the any setting (adjustment) mode

● PICTURE, SOUND and OTHERS mode

1) If select any of PICTURE, SOUND or OTHERS items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ② will be displayed as shown in figure page later.
2) Then the UP / DOWN key is pressed, the PICTURE mode screen ③ or the SOUND mode screen ④ or the OTHER mode screen ⑤ is displayed, and the PICTURE, SOUND or OTHERS setting can be performed.

● PIP mode [Only for AV-36D502]

1) If select the PIP item, and the LEFT/RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ⑥ will be displayed as shown in figure page later.
2) Then the UP/DOWN key is pressed, the PIP mode screen ⑦ is displayed, and the PIP setting can be performed.

[AV-36D202, AV-36D302]

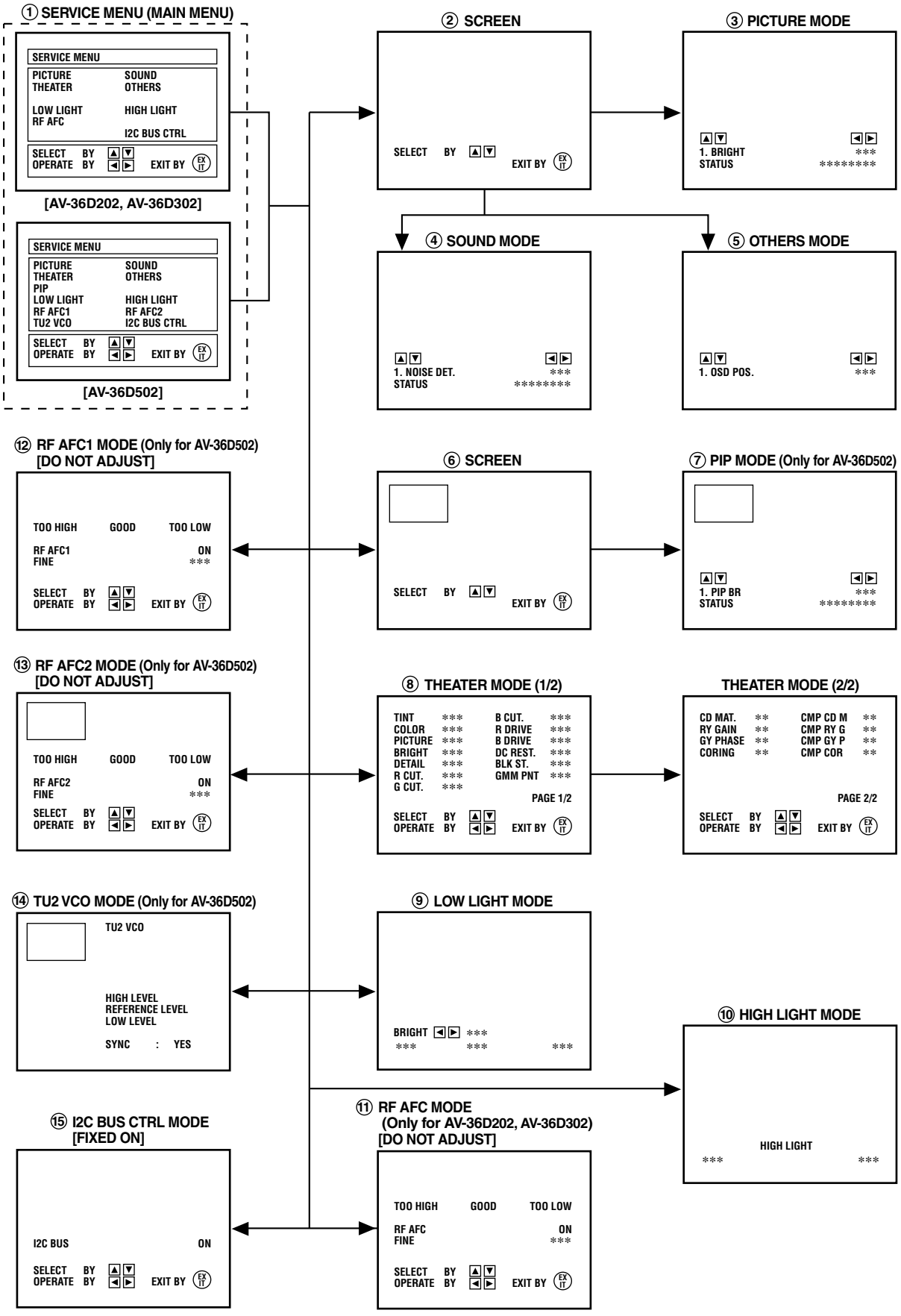
● THEATER, LOW LIGHT, HIGH LIGHT, RF AFC and I2C BUS CTRL mode

1) If select any of THEATER / LOW LIGHT / HIGH LIGHT / RF AFC / I2C BUS CTRL items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens ⑧ ⑨ ⑩ ⑪ ⑮ will be displayed as shown in figure page later.
2) Then the settings or verifications can be performed.

[AV-36D502]

● THEATER, LOW LIGHT, HIGH LIGHT, RF AFC1, RF AFC2, TU2 VCO and I2C BUS CTRL mode

1) If select any of THEATER / LOW LIGHT / HIGH LIGHT / RF AFC1 / RF AFC2 / TU2 VCO / I2C BUS CTRL items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens ⑧ ⑨ ⑩ ⑫ ⑬ ⑭ ⑮ will be displayed as shown in figure page later.
2) Then the settings or verifications can be performed.

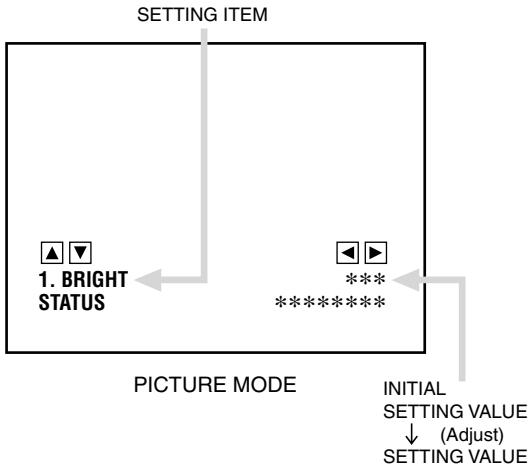

① SERVICE MENU (MAIN MENU)
SERVICE MENU
PICTURE
THEATER
SOUND
OTHERS
LOW LIGHT
HIGH LIGHT
RF AFC
I2C BUS CTRL
SELECT BY
OPERATE BY
EXIT BY
[AV-36D202, AV-36D302]
SERVICE MENU
PICTURE
THEATER
SOUND
OTHERS
PIP
LOW LIGHT
HIGH LIGHT
RF AFC1
RF AFC2
TU2 VCO
I2C BUS CTRL
SELECT BY
OPERATE BY
EXIT BY
[AV-36D502]
② SCREEN
SELECT BY
EXIT BY
③ PICTURE MODE
1. BRIGHT ***
STATUS ********
④ SOUND MODE
1. NOISE DET. ***
STATUS ********
⑤ OTHERS MODE
1. OSD POS. ***
⑫ RF AFC1 MODE (Only for AV-36D502)
[DO NOT ADJUST]
TOO HIGH GOOD TOO LOW
RF AFC1 ON
FINE ***
SELECT BY
OPERATE BY
EXIT BY
⑥ SCREEN
SELECT BY
EXIT BY
⑦ PIP MODE (Only for AV-36D502)
1. PIP BR ***
STATUS ********
⑬ RF AFC2 MODE (Only for AV-36D502)
[DO NOT ADJUST]
TOO HIGH GOOD TOO LOW
RF AFC2 ON
FINE ***
SELECT BY
OPERATE BY
EXIT BY
⑧ THEATER MODE (1/2)
TINT *** B CUT. ***
COLOR *** R DRIVE ***
PICTURE *** B DRIVE ***
BRIGHT *** DC REST. ***
DETAIL *** BLK ST. ***
R CUT. *** GMM PNT ***
G CUT. ***
PAGE 1/2
SELECT BY
OPERATE BY
EXIT BY
THEATER MODE (2/2)
CD MAT. ** CMP CD M **
RY GAIN ** CMP RY G **
GY PHASE ** CMP GY P **
CORING ** CMP COR **
PAGE 2/2
SELECT BY
OPERATE BY
EXIT BY
⑭ TU2 VCO MODE (Only for AV-36D502)
TU2 VCO
HIGH LEVEL
REFERENCE LEVEL
LOW LEVEL
SYNC : YES
⑨ LOW LIGHT MODE
BRIGHT ***
*** *** ***
⑩ HIGH LIGHT MODE
HIGH LIGHT
*** ***
⑮ I2C BUS CTRL MODE
[FIXED ON]
I2C BUS ON
SELECT BY
OPERATE BY
EXIT BY
⑪ RF AFC MODE
(Only for AV-36D202, AV-36D302)
[DO NOT ADJUST]
TOO HIGH GOOD TOO LOW
RF AFC ON
FINE ***
SELECT BY
OPERATE BY
EXIT BY

(4) Setting method

1) UP / DOWN key of the MENU
   Select the SETTING ITEM.

2) LEFT / RIGHT key of the MENU
   Setting (adjust) the SETTING VALUE of the SETTING ITEM.
   When the key is released the SETTING VALUE will be stored (memorized).

3) EXIT key
   Returns to the previous screen.



(5) Releasing SERVICE MENU

1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.

★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.

INITIAL SETTING VALUE OF SERVICE MENU

1. **Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.**
2. **Do not change the initial setting values of the setting (Adjustment) items not listed in "ADJUSTMENT".**

● PICTURE MODE

☆ The four setting items in the video mode No.6 EXT BRI., No.7 EXT PIC., No.8 EXT COL. and No.9 EXT TINT are linked to the items in the TV MODE No.1 BRIGHT, No.2 PICTURE, No.3 COLOR and No.4 TINT, respectively. When the setting items in the TV mode are adjusted, the values in the setting items in the video mode are revised automatically to the same values in the TV mode.(The initial setting values given in ( ) are off-set values.)

☆ When the four items (No.6, 7, 8 and 9) are adjusted in the video mode, the setting values in each item are revised independently.

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
1	BRIGHT	000 — 127	063	
2	PICTURE	000 — 127	090	
3	COLOR	000 — 127	072	
4	TINT	000 — 127	065	
5	TV DETAIL	000 — 063	055	
6	EXT BRIGHT	±025	±000	
7	EXT PICT.	±025	+006	
8	EXT COLOR	±025	–006	
9	EXT TINT	±025	±000	
10	EXT DETAIL	000 — 063	050	
11	CMP BRIGHT	±025	±000	
12	CMP PICT.	±025	+006	
13	CMP COLOR	000 — 127	080	
14	CMP TINT	000 — 127	074	
15	CMP DETAIL	000 — 063	050	
16	CMP R CUT	±025	–011	
17	CMP G CUT	±025	±000	
18	CMP B CUT	±025	–001	
19	CMP R DRV	±025	±000	
20	CMP B DRV	±025	±000	
21	WPL	000 / 001	001	
22	B. B. SW	000 / 001	000	
23	C TRAP	000 / 001	000	
24	CORING	000 / 001	000	
25	CMP CORING	000 / 001	001	
26	TV SHARPF	000 / 001	001	
27	EXT SHARPF	000 / 001	001	
28	CMP SHARPF	000 / 001	001	
29	RGB CONT	000 — 063	031	
30	TV ID SENS	000 / 001	000	
31	EXT ID SEN	000 / 001	001	
32	F ID	000 / 001	000	
33	Y MUTE	000 / 001	000	
34	AUDIO ATT	000 — 127	127	
35	SUB CONT	000 — 015	010	
36	R Y GAIN	000 / 001	001	
37	CMP R Y GA	000 / 001	001	
38	G Y PHASE	000 / 001	000	
39	CMP G Y PH	000 / 001	000	
40	CD MATRIX	000 — 003	003	
41	CMP CD MAT	000 — 003	002	
42	BLACK ST	000 — 003	001	
43	DC REST	000 — 003	001	
44	COLOR GMM	000 / 001	000	
45	UV/CBCR	000 / 001	001	

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
46	AT FLESH	000 / 001	000	
47	ABL GAIN	000 — 003	000	
48	ABL ST PNT	000 — 003	003	
49	RGB ABCL	000 / 001	001	
50	TV BPF TOF	000 / 001	001	
51	EXT BPF TOF	000 / 001	000	
52	GMM PNT	000 — 003	003	
53	SVM GAIN	000 — 003	003	
54	CMP SVM GA	000 — 003	003	
55	SVM PHASE	000 / 001	000	
56	AUDIO SW	000 / 001	000	
57	BUZZ	000 / 001	000	
58	IF FREQ	000 / 001	000	
59	RF AGC	000 — 063	045	
60	AFT MUTE	000 / 001	000	
61	AFT SENS	000 / 001	001	
62	R/G DRV SW	000 / 001	001	
63	BLK SW	000 / 001	000	
64	V S COR	000 — 015	006	AV-36D502(/AY & AH), AV-36D302(/AY & AH), AV-36D202(/AY & AH)
	V S COR	000 — 015	007	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
	V S COR	000 — 015	004	AV-36D502/AM, AV32D302/AM, AV-36D202/AM
65	V LIN	000 — 015	012	AV-36D502(/AY & AH & AM), AV-36D302(/AY & AH & AM), AV-36D202(/AY & AH & AM)
	V LIN	000 — 015	011	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
66	V SIZE	000 — 127	048	AV-36D502(/AY & AH), AV-36D302(/AY & AH), AV-36D202(/AY & AH)
	V SIZE	000 — 127	044	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
	V SIZE	000 — 127	040	AV-36D502/AM, AV32D302/AM, AV-36D202/AM
67	V AGC	000 / 001	000	
68	V CENTER	000 — 063	000	
69	TV AFC	000 — 003	000	
70	EXT AFC	000 — 003	002	
71	V POSI	000 — 007	000	
72	H POSI	000 — 031	020	AV-36D502(/AY & AR), AV-36D302(/AY & AR), AV-36D202(/AY & AR)
	H POSI	000 — 031	015	AV-36D502/AH, AV32D302/AH, AV-36D202/AH
	H POSI	000 — 031	017	AV-36D502/AM, AV32D302/AM, AV-36D202/AM
73	H SIZE	000 — 063	028	AV-36D502(/AR & AH), AV-36D302(/AR & AH), AV-36D202(/AR & AH)
	H SIZE	000 — 063	026	AV-36D502/AY, AV32D302/AY, AV-36D202/AY
	H SIZE	000 — 063	021	AV-36D502/AM, AV32D302/AM, AV-36D202/AM
74	TV V FREQ	000 — 003	000	
75	EXT V FREQ	000 — 003	003	
76	SIDE PIN	000 — 063	041	AV-36D502(/AR & AM), AV-36D302(/AR & AM), AV-36D202(/AR & AM)
	SIDE PIN	000 — 063	050	AV-36D502/AY, AV32D302/AY, AV-36D202/AY
	SIDE PIN	000 — 063	024	AV-36D502/AH, AV32D302/AH, AV-36D202/AH
77	STAND BY	000 / 001	000	
78	TRAPEZ	000 — 063	031	AV-36D502(/AY & AM), AV-36D302(/AY & AM), AV-36D202(/AY & AM)
	TRAPEZ	000 — 063	038	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
	TRAPEZ	000 — 063	027	AV-36D502/AH, AV32D302/AH, AV-36D202/AH
79	V RAMP REF	000 / 001	001	
80	V 48HZ	000 / 001	000	
81	V EHT	000 — 007	000	
82	TOP PIN	000 — 031	014	AV-36D502(/AY,AH & AM), AV32D302(/AY,AH & AM), AV-36D202(/AY,AH & AM)
	TOP PIN	000 — 031	009	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
83	H EHT	000 — 007	000	
84	BTM PIN	000 — 031	017	AV-36D502(/AY & AM), AV-36D302(/AY & AM), AV-36D202(/AY & AM)
	BTM PIN	000 — 031	015	AV-36D502/AH, AV32D302/AH, AV-36D202/AH
	BTM PIN	000 — 031	009	AV-36D502/AR, AV32D302/AR, AV-36D202/AR
85	V BLK LOW	000 — 003	000	

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
86	V BLK UP	000 — 003	000	
87	CAPTION IN	000 / 001	000	
88	H BLK	000 / 001	000	
89	SCREEN	000 / 001	000	
90	ACB SW	000 / 001	000	
91	ACB PULSE	000 — 015	007	
92	OVER MODU	000 / 001	001	
93	APACON LIM	000 / 001	001	
94	TEST	000 — 255	128	
95	RF S/N TY	000 — 002	002	
96	EXT S/N TY	000 — 002	002	
97	RF SN YC E	000 — 255	005	
98	RF SN YC F	000 — 255	016	
99	RF SN YC G	000 — 063	032	
100	RF SN YC H	000 — 255	025	
101	EX SN YC E	000 — 255	005	
102	EX SN YC F	000 — 255	016	
103	EX SN YC G	000 — 063	032	
104	EX SN YC H	000 — 255	025	
105	RF SN VC 1	000 — 063	000	
106	RF SN VC 2	000 — 063	007	
107	RF SN VC 3	000 — 063	014	
108	RF SN VC 4	000 — 063	021	
109	EX SN VC 1	000 — 063	000	
110	EX SN VC 2	000 — 063	007	
111	EX SN VC 3	000 — 063	014	
112	EX SN VC 4	000 — 063	021	
113	COR LEVEL	000 — 003	003	
114	VNR CHK	000 — 255	003	
115	YC SN TIME	000 — 255	005	
116	VC SN TIME	000 — 255	005	
117	VM DATA A	±127	+008	
118	VM DATA B	±127	–004	
119	VM DATA C	±127	–016	
120	VM DATA D	000 / 001	000	
121	VC SN STOP	000 — 255	002	
122	CH MUTE	00/001	000	
123	VM OFF TY	000/001	000	
124	VC VM OFF	000/001	001	
125	YC VM OFF	000 — 255	255	
126	F LOCK	000 — 002	002	
127	VF LOCK EX	000/001	000	
128	PURI RGB	000 — 063	031	
129	PURI W BCK	000/001	000	

● SOUND MODE

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
1	NOISE DET.	000 / 001	001	
2	IN LEVEL	000 — 063	025	
3	FH MONITOR	000 / 001	000	
4	STEREO VCO	000 — 063	030	
5	PILOT CAN.	000 / 001	000	
6	FILTER	000 — 063	030	
7	LOW SEP.	000 — 063	028	
8	HI SEP.	000 — 063	025	
9	5FH MON.	000 / 001	000	
10	SAP VCO	000 — 063	003	
11	IN GAIN	000 / 001	000	
12	FIL. OFFSET	±010	±000	
13	BBE BASS	±010	±000	
14	BBE TRE	±010	±000	

● THEATER MODE

Setting (Adjustment) item	Variable range	Initial setting value	Remark
TINT	±20	–06	
COLOR	±20	–03	
PICTURE	±50	–15	
BRIGHT	±20	±00	
DETAIL	±20	+03	
R CUT.	±20	±00	
G CUT.	±20	±00	
B CUT.	±20	±00	
R DRIVE	±99	+07	
B DRIVE	±99	–25	
DC REST.	00 — 03	01	
BLK ST.	00 — 03	00	
GMM PNT	00 — 03	01	
CD MAT.	00 — 03	01	
RY GAIN	00 / 01	01	
GY PHASE	00 / 01	00	
CORING	00 / 01	01	
CMP CD M	00 — 03	01	
CMP RY G	00 / 01	01	
CMP GY P	00 / 01	00	
CMP COR	00 / 01	01	

● OTHERS MODE

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
1	OSD POS.	000 — 007	002	
2	CCD POS.	000 — 015	003	
3	EOSEL	000 / 001	000	
4	MENU COLOR	000 — –030	–010	
5	MENU PICT.	000 — –030	–010	
6	MENU BRI.	000 — –030	–010	

● PIP MODE [Only for AV-36D502]

No.	Setting (Adjustment) item	Variable range	Initial setting value	Remark
1	PIP BR	000 — 015	004	
2	PIP PICT	030 — 045	045	
3	PIP TINT	000 — 063	036	
4	PIP COL	000 — 015	010	
5	P R CUT	000 — 015	003	
6	P G CUT	000 — 015	000	
7	P B CUT	000 — 015	002	
8	P R DR	000 — 255	052	
9	P G DR	000 — 255	055	
10	P B DR	000 — 255	060	
11	LEFT POS.	000 — 255	020	
12	RIGHT POS.	000 — 255	017	
13	UPPER POS.	000 — 127	012	
14	LOWER POS.	000 — 127	011	
15	PICT LOCK	000 / 001	001	
16	SELDEL	000 — 015	000	
17	AGCFIX	000 / 001	001	
18	AGCADST	000 / 001	000	
19	AGC	000 — 015	007	
20	VSPDEL	000 — 031	000	
21	VSPISQ	000 / 001	001	
22	YCOR	000 / 001	001	
23	XFREQF	000 / 001	001	
24	WTCHDG	000 / 001	001	
25	COLON	000 / 001	000	
26	ACQNEW	000 / 001	000	
27	DSTDET	000 / 001	001	
28	CRIBEOK	000 / 001	000	
29	FCBEOK	000 / 001	000	
30	NOCRID	000 / 001	000	
31	NONSED	000 / 001	000	

● LOW LIGHT MODE

Setting (Adjustment) item	Variable range	Initial setting value	Remark
R CUTOFF	0 — 255	085	
G CUTOFF	0 — 255	085	
B CUTOFF	0 — 255	085	

● HIGH LIGHT MODE

Setting (Adjustment) item	Variable range	Initial setting value	Remark
R DRIVE	0 — 127	060	
B DRIVE	0 — 127	060	

● RF AFC MODE [Only for AV-36D202, AV-36D302]

Setting (Adjustment) item	Variable range	Initial setting value	Remark
RF AFC	ON / OFF	ON (DO NOT ADJUST)	
FINE	-77 — +77	±××	

● RF AFC1 MODE [Only for AV-36D502]

Setting (Adjustment) item	Variable range	Initial setting value	Remark
RF AFC1	ON / OFF	ON (DO NOT ADJUST)	
FINE	-77 — +77	±××	

● RF AFC2 MODE [Only for AV-36D502]

Setting (Adjustment) item	Variable range	Initial setting value	Remark
RF AFC2	ON / OFF	ON (DO NOT ADJUST)	
FINE	-77 — +77	±××	

● I2C BUS CTRL MODE

Setting (Adjustment) item	Variable range	Initial setting value	Remark
I2C BUS	ON/OFF	[FIXED ON] (DO NOT ADJUST)	

ADJUSTMENTS

B1 POWER SUPPLY

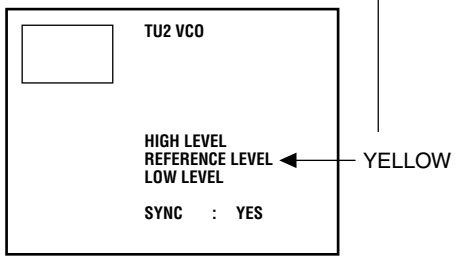
Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 POWER SUPPLY	**DC Voltmeter**	**B1 (pin 1) GND (pin 3) [B1 connector in MAIN PWB]**		1. Receive a black-and-white signal. 2. Connect the DC Voltmeter between B1 and GND (between pins 1 and 3 of the B1 connector). 3. Confirm that the voltage is DC134V $^{+2V}_{-2V}$.

ADJUSTMENT OF RF AGC

Item	Measuring instrument	Test point	Adjustment part	Description
RF AGC adjustment	**Remote control unit**		**No.59 RF AGC**	1. Receive a broadcast. 2. Select the No.59 RF AGC of the PICTURE MODE. 3. Press the MUTE key of the remote control unit to turn off color. 4. With the LEFT key of the remote control unit, get noise in the screen picture. (0 side of setting value) 5. Press the RIGHT key of the remote control unit and stop when noise disappears from the screen. 6. Change to other channels and make sure that there Is no irregularity. 7. Press the MUTE key and get color out.

ADJUSTMENT OF TU2 VCO

Item	Measuring instrument	Test point	Adjustment part	Description
TU2 VCO adjustment [AV-36D502]	**Remote control unit**		**T111 (CW TRANSF) [PIP PWB]**	1. Receive a broadcast. 2. Select the TU2 VCO MODE from the SERVICE MENU. 3. Confirm “SYNC” is “YES”. 4. Turn the T111 (CW TRANSF) until “REFERENCE LEVEL” characters become yellow. 5. Confirm “SYNC” is “YES” again.

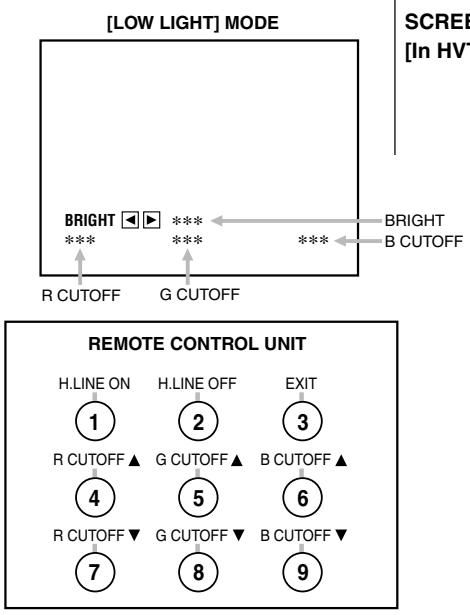


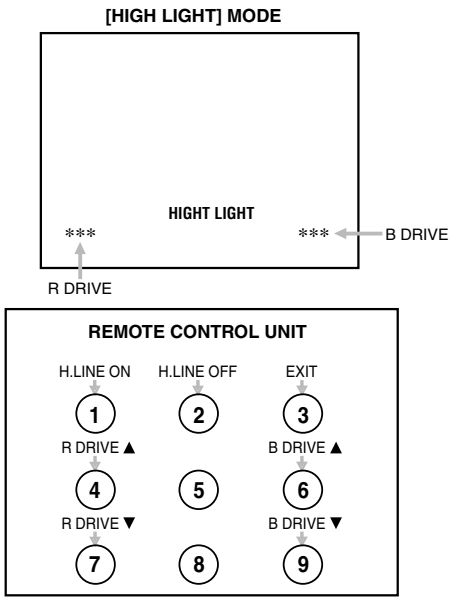
ADJUSTMENT OF FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS adjustment	**Signal generator** **Remote control unit**		**FOCUS VR [In HVT]** **H VR [In HVT]**	**Notes:** • Proceed to the following this adjustment after having completed the adjustments of B1 POWER SUPPLY, SUB BRIGHT and PICTURE. • Set VIDEO STATUS to “STANDARD”. • The final adjustment of CONVERGENCE must be done after the FOCUS adjustment. (CONVERGENCE is changed by FOCUS adjustment.) When makes difference by FOCUS adjustment, should be reconfirming PURITY adjustment. 1. Receive a crosshatch signal. 2. While looking at the screen center, adjust the FOCUS VR so that the horizontal lines will be clear and in fine detail. 3. Adjust the H VR so that the vertical lines will be clear and in fine detail. 4. Make sure that the picture is in focus even when the screen gets darkened.

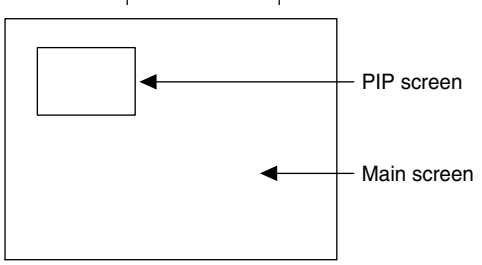
ADJUSTMENT OF WHITE BALANCE

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (Low Light) adjustment	**Signal generator** **Remote control unit**		**No.1 BRIGHT** **R CUTOFF** **G CUTOFF** **B CUTOFF** **SCREEN VR [In HVT]**	**Note :** Set VIDEO STATUS to “STANDARD”. 1. Receive a black-and-white signal.(Color off) 2. Select the [LOW LIGHT] MODE from the SERVICE MENU. 3. Set the initial setting value of BRIGHT is 063 with the LEFT / RIGHT key of the remote control unit. 4. Set the initial setting value of R CUTOFF, G CUTOFF and B CUTOFF is 085 with the ④ to ⑨ key of the remote control unit. 5. Display a single horizontal line by pressing the ① key of the remote control unit. 6. Turn the screen VR all the way to the left. 7. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. 8. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the ④ to ⑨ keys of the remote control unit. 9. Turn the screen VR to where the single horizontal line glows faintly. 10. Press the ② key to return to the regular screen. * The ③ EXIT key is the cancel key for the WHITE BALANCE.
WHITE BALANCE (High Light) adjustment	**Signal generator** **Remote control unit**		**R DRIVE** **B DRIVE**	**Notes:** • Proceed to the following this adjustment after having completed the adjustment of LOW LIGHT WHITE BALANCE. • Set VIDEO STATUS to “STANDARD”. 1. Receive a black-and-white signal. (Color off) 2. Select the [HIGH LIGHT] MODE from the SERVICE MENU. 3. Set the initial setting value of R DRIVE and B DRIVE is 060 with the ④, ⑥, ⑦ and ⑨ keys of the remote control unit. 4. Adjust the screen until it becomes white using the ④, ⑥, ⑦ and ⑨ keys of the remote control unit. * The ③ (EXIT) key is the cancel key for the WHITE BALANCE.





Item	Measuring instrument	Test point	Adjustment part	Description
PIP HIGH LIGHT WHITE BALANCE adjustment [AV-36D502]	**Signal generator** **Remote control unit**		**No.8 P R DR** **No.10 P B DR**	**Notes:** • Proceed to the following this adjustment after having completed the adjustments of LOW LIGHT WHITE BALANCE and HIGH LIGHT WHITE BALANCE for the main picture. • Set VIDEO STATUS to “STANDARD”. 1. Receive a black-and-white signal. (Color off) 2. Select the PIP MODE from the SERVICE MENU. 3. Then adjust the white color of the PIP screen using the No. 8 P R DR and the No. 10 P B DR of the PIP MODE so that it is the same brightness as the main screen.



ADJUSTMENT OF BRIGHT

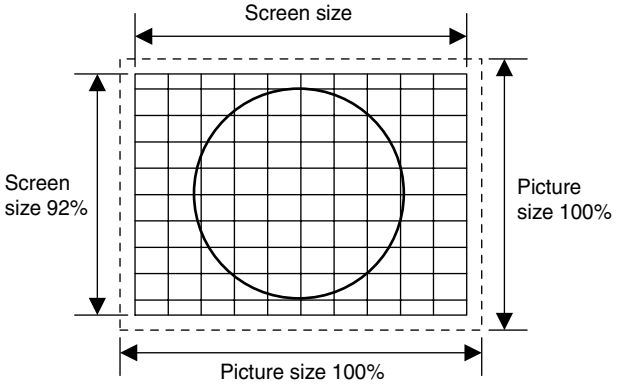
Item	Measuring instrument	Test point	Adjustment part	Description
SUB BRIGHT adjustment	**Remote control unit**		**No.1 BRIGHT**	**Notes:** • Proceed to the following this adjustment after having completed the adjustments of LOW LIGHT WHITE BALANCE and HIGH LIGHT WHITE BALANCE. • Set VIDEO STATUS to “STANDARD”. 1. Receive a broadcast. 2. Select the No.1 BRIGHT of the PICTURE MODE. 3. Set the initial setting value of the No.1 BRIGHT with the LEFT / RIGHT key of the remote control unit. 4. If the brightness is not best with the initial setting value, make fine adjustment of the No.1 BRIGHT until you get the optimum brightness.

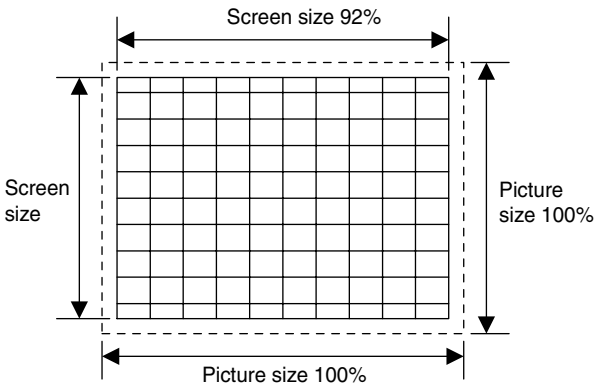
ADJUSTMENT OF CONTRAST

Item	Measuring instrument	Test point	Adjustment part	Description
SUB CONTRAST adjustment	**Remote control unit**		**No.2 PICTURE**	**Notes:** • Proceed to the following this adjustment after having completed the adjustment of SUB BRIGHT. • Set VIDEO STATUS to “STANDARD”. 1. Receive a broadcast. 2. Select the No.2 PICTURE of the PICTURE MODE. 3. Set the initial setting value of the No.2 PICTURE with the LEFT / RIGHT key of the remote control unit. 4. If the contrast is not best with the initial setting value, make fine adjustment of the No.2 PICTURE until you get the optimum contrast.

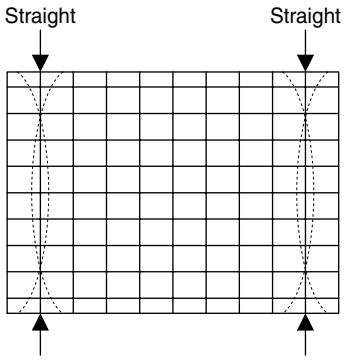
ADJUSTMENT OF DEFLECTION

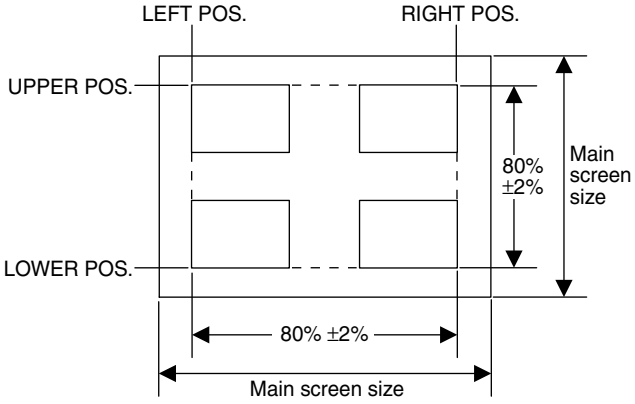
Item	Measuring instrument	Test point	Adjustment part	Description
V POSITION and V SIZE adjustment	**Signal generator** **Remote control unit**		**No.71 V POSI** **No.66 V SIZE** **S1421 (V CENTER SW) [MAIN PWB]**	**Note:** Proceed to the following this adjustment after having completed the adjustments of SUB BRIGHT and SUB CONTRAST. 1. Receive a crosshatch signal with circle pattern. 2. Select the No. 71 V POSI of the PICTURE MODE. 3. Confirm the value of No. 71 V POSI is “0”. 4. Switch the S1421 (V CENTER SW) so that a crosshatch signal become to the center of CRT. 5. Select the No.66 V SIZE of the PICTURE MODE to squeeze the raster. 6. Adjust the No.66 V SIZE until the vertical screen size is 92%.
H SIZE and H POSITION adjustment	**Signal generator** **Remote control unit**		**No.73 H SIZE** **No.72 H POSI**	**Note:** Proceed to the following this adjustment after having completed the adjustments of FOCUS, SUB BRIGHT, SUB CONTRAST, V POSITION and V SIZE. 1. Receive a crosshatch signal. 2. Select the No.73 H SIZE of the PICTURE MODE. 3. Set the initial setting value of the No.73 H SIZE with the LEFT / RIGHT key of the remote control unit. 4. Adjust the No.73 H SIZE until the horizontal screen size is 92%. 5. Adjust the No.72 H POSI until the screen will be horizontally centered.





Item	Measuring instrument	Test point	Adjustment part	Description
SIDE PIN and CORNER PIN adjsutment	**Signal generator** **Remote control unit**		**No.76 SIDE PIN** **No.82 TOP PIN** **No.84 BTM PIN**	**Note:** Proceed to the following this adjustment after having completed the adjustments of FOCUS, SUB BRIGHT, SUB CONTRAST, V CENTER, V POSITION and V SIZE. 1. Receive a crosshatch signal. 2. Adjust such that vertical 2nd lines from left and right to be straight at the No.76 SIDE PIN of the PICTURE MODE. 3. Adjust the end of vertical 2nd lines from left and right to be straight at the No.82 TOP PIN and the No.84 BTM PIN of the PICTURE MODE.
PIP DISPLAY POSITION adjustment [AV-36D502]	**Remote control unit**		**No.11 LEFT POS.** **No.12 RIGHT POS.** **No.13 UPPER POS.** **No.14 LOWER POS.**	**Notes:** • Proceed to the following this adjustment after having completed the adjustments of V POSITION, V SIZE, H SIZE, H POSITION, SIDE PIN and CORNER PIN for the main picture. • Set VIDEO STATUS to “STANDARD”. 1. Receive a broadcast. 2. Select the PIP MODE from the SERVICE MENU. 3. Then adjust the PIP screen size so that it occupies 80% ± 2% of the main screen area.



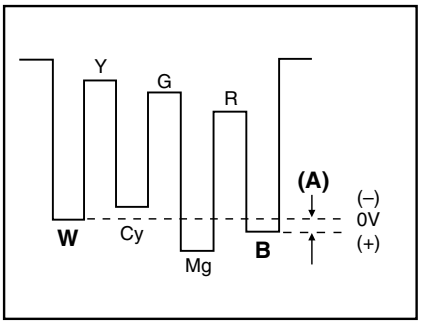


ADJUSTMENT OF CHROMA

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB COLOR adjustment</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E (⏚)
[CRT SOCKET PWB]</td><td>No.3 COLOR</td><td>Notes:
• Proceed to the following this adjustment after having completed the adjustment of CONTRAST.
• Set VIDEO STATUS to “STANDARD”.

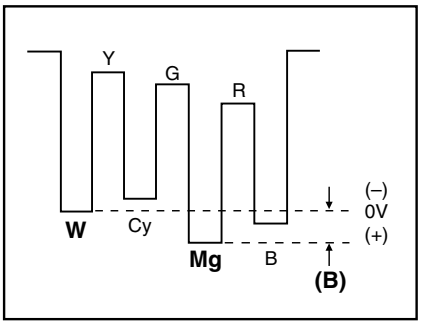
[Method of adjustment without measuring instrument]
1. Receive a broadcast.
2. Select the No.3 COLOR of the PICTURE MODE.
3. Set the initial setting value of the No.3 COLOR with the LEFT/RIGHT key of the remote control unit.
4. If the color is not the best with the Initial setting value, make fine adjustment of the No.3 COLOR until you get the optimum color.</td></tr>
<tr><td colspan="3"> 

<table>
<tr><th>Model</th><th>A (Vw-B)</th></tr>
<tr><td>AV-36D202/AY, AV-36D302/AY, AV-36D502/AY</td><td>+12V</td></tr>
<tr><td>AV-36D202/AH, AV-36D302/AH, AV-36D502/AH</td><td>+10V</td></tr>
<tr><td>AV-36D202/AR, AV-36D302/AR, AV-36D502/AR</td><td>+14V</td></tr>
<tr><td>AV-36D202/AM, AV-36D302/AM, AV-36D502/AM</td><td>+9V</td></tr>
</table>
Table 1</td><td>Notes:
• Proceed to the following this adjustment after having completed the adjustment of CONTRAST.
• Set VIDEO STATUS to “STANDARD”.

[Method of adjustment using measuring instrument]
1. Input the full field color bar signal (75% white).
2. Select the No.3 COLOR of the PICTURE MODE.
3. Set the initial setting value of the No.3. COLOR with the LEFT/RIGHT key of the remote control unit.
4. Connect the oscilloscope between TP-B and TP-E.
5. Adjust COLOR and bring the value of (A) in the illustration to the voltage shown in the table 1.</td></tr>
<tr><td>SUB TINT adjustment</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E (⏚)
[CRT SOCKET PWB]</td><td>No.4 TINT</td><td>Notes:
• Proceed to the following this adjustment after having completed the adjustment of CONTRAST.
• Set VIDEO STATUS to “STANDARD”.

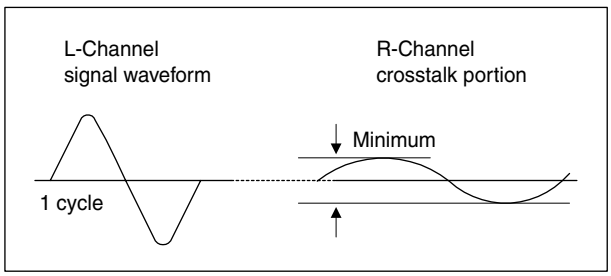
[Method of adjustment without measuring instrument]
1. Receive a broadcast.
2. Select the No.4 TINT of the PICTURE MODE.
3. Set the initial setting value of the No.4 TINT with the LEFT/RIGHT key of the remote control unit.
4. If the tint is not the best with the initial setting value, make fine adjustment of the No.4 TINT until you get the optimum tint.</td></tr>
<tr><td colspan="3"> 

<table>
<tr><th>Model</th><th>A (Vw-g)</th></tr>
<tr><td>AV-36D202/AH, AV-36D302/AH, AV-36D502/AH</td><td>+16V</td></tr>
<tr><td>AV-36D202/AY, AV-36D302/AY, AV-36D502/AY</td><td>+14V</td></tr>
<tr><td>AV-36D202/AR, AV-36D302/AR, AV-36D502/AR</td><td>+18V</td></tr>
<tr><td>AV-36D202/AM, AV-36D302/AM, AV-36D502/AM</td><td>+9V</td></tr>
</table>
Table 2</td><td>Notes:
• Proceed to the following this adjustment after having completed the adjustment of CONTRAST.
• Set VIDEO STATUS to “STANDARD”.

[Method of adjustment using measuring instrument]
1. Input the full field color bar signal (75% white).
2. Select the No.4 TINT of the PICTURE MODE.
3. Set the initial setting value of the No.4 TINT with the LEFT/RIGHT key to the remote control unit.
4. Connect the oscilloscope between TP-B and TP-E.
5. Adjust TINT and bring the value of (B) in the illustration to the voltage shown in the table 2.</td></tr>
</table>

ADJUSTMENT OF MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check	**Remote control unit**		**No.2 IN LEVEL**	1. Select the No.2 IN LEVEL of the SOUND MODE. 2. Verify that the No.2 IN LEVEL is set at its initial setting value.
MTS STEREO VCO adjustment	**Signal generator** **Frequency counter** **Remote control unit**	**2 pin AUDIO R** **3 pin GND** **[MPX Connector in AV SELECTOR PWB]**	**No.3 FH MONITOR** **No.4 STEREO VCO**	**Note:** Menu “MTS” is set to “STEREO” 1. Receive a RF signal (nonmodulated sound signal) from the antenna terminal. 2. Select the No.3 FH MONITOR of SOUND MODE, and change the setting value from 0 to 1. 3. Connect the Frequency Counter to pin 2 of [MPX] connector and GND (Pin 3 of [MPX] connector). 4. Select the No.4 STEREO VCO. 5. Set the initial setting value of the No.4 STEREO VCO with the LEFT/RIGHT key of the remote control unit. 6. Adjust the No.4 STEREO VCO so that the frequency counter will display 15.73kHz±0.1kHz. 7. Select the No.3 FH MONITOR of the SOUND MODE, and reset the setting value from 1 to 0.
MTS SAP VCO adjustment	**Signal generator** **Frequency counter** **Remote control unit**	**4 pin TP_952.5** **3 pin GND** **2 pin AUDIO_R** **[MPX Connector in AV SELECTOR PWB]**	**No.9 5FH MON.** **No.10 SAP VCO**	1. Receive a RF signal (non modulated sound signal) from the antenna terminal. 2. Connect between pin 4 of [MPX] connector and GND (Pin 3 of [MPX] connector) through 1MΩ Resistor. 3. Select the No.9 5FH MON. of the SOUND MODE, and reset the setting value from 0 to 1. 4. Connect the Frequency Counter to pin 2 of [MPX] connector and GND (Pin 3 of [MPX] connector) . 5. Select the No.10 SAP VCO. 6. Set the initial setting value of the No.10 SAP VCO with the LEFT/RIGHT key of the remote control unit. 7. Adjust the No.10 SAP VCO so that the frequency counter will display 78.67kHz±0.5kHz. 8. Select the No.9 5FH MON. of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check	**Remote control unit**		**No.6 FILTER**	1. Select the No.6 FILTER of the SOUND MODE. 2. Verify that the No.6 FILTER is set at its initial setting value.
MTS SEPARATION adjustment	**TV audio multiplex signal generator** **Oscilloscope** **Remote control unit**	**1 pin AUDIO_L** **2 pin AUDIO_R** **3 pin GND** **[MPX Connector in AV SELECTOR PWB]**	**No.7 LOW SEP.** **No.8 HI SEP.**	**Note:** Menu “MTS” is set to “STEREO” 1. Input a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to pin 1 of [MPX] connector, and display one cycle portion of the 300Hz signal. 3. Change the connection of the oscilloscope to pin 2 of [MPX] connector, and enlarge the voltage axis. 4. Select the No.7 LOW SEP. of the SOUND MODE. 5. Set the initial setting value of the No.7 LOW SEP. with the LEFT/RIGHT key of the remote control unit. 6. Adjust the No.7 LOW SEP. so that the 300Hz signal level will become minimum. 7. Change the signal to 3kHz, and connect an oscilloscope to pin 1 of [MPX] connector. 8. Adjust the No.8 HI SEP. so that the 3kHz signal level will become minimum.

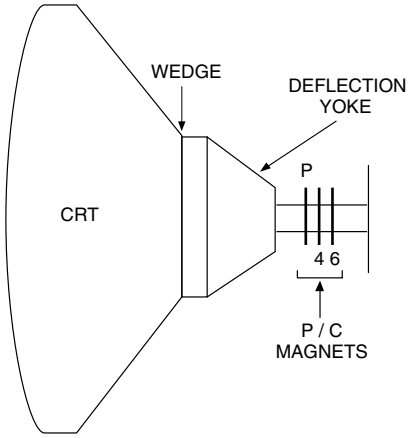


ADJUSTMENTS OF PURITY AND CONVERGENCE

Note: The final adjustment of CONVERGENCE must be done after the FOCUS adjustment. (CONVERGENCE is changed by FOCUS adjustment.)
When makes difference by FOCUS adjustment, should be reconfirming PURITY adjustment.

PURITY ADJUSTMENT

1. Demagnetize CRT with the demagnetizer.
2. Loosen the retainer screw of the deflection yoke.
3. Remove the wedges.
4. Input a green raster signal from the signal generator, and turn the screen to green raster.
5. Move the deflection yoke backward.
6. Bring the long lug of the purity magnets on the short lug and position them horizontally. (Fig. 2)
7. Adjust the gap between two lugs so that the GREEN RASTER will come into the center of the screen. (Fig. 3)
8. Move the deflection yoke forward, and fix the position of the deflection yoke so that the whole screen will become green.
9. Insert the wedge to the top side of the deflection yoke so that it will not move.
10. Input a crosshatch signal.
11. Verify that the screen is horizontal.
12. Input red and blue raster signals, and make sure that purity is properly adjusted.



• P/C MAGNETS

P : PURITY MAGNET
4 : 4 POLES (convergence magnets)
6 : 6 POLES (convergence magnets)

Fig. 1

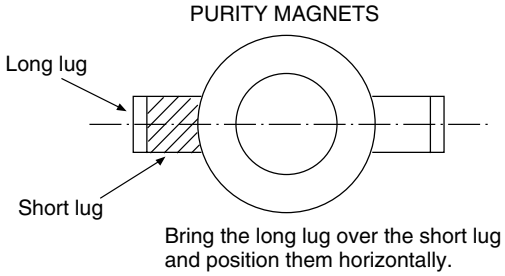


Fig. 2

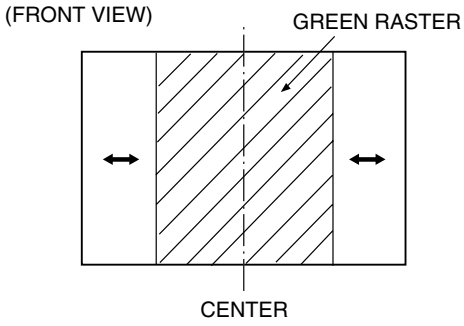


Fig. 3

STATIC CONVERGENCE ADJUSTMENT

1. Input a crosshatch signal.
2. Using 4-pole convergence magnets, overlap the red and blue lines in the center of the screen (Fig. 4) and turn them to magenta (red/blue).
3. Using 6-pole convergence magnets, overlap the magenta(red/blue) and green lines in the center of the screen and turn them to white.
4. Repeat 2 and 3 above, and make best convergence.

DYNAMIC CONVERGENCE ADJUSTMENT

1. Move the deflection yoke up and down and overlap the lines in the periphery. (Fig. 5)
2. Move the deflection yoke left to right and overlap the lines in the periphery. (Fig. 6)
3. Repeat 1 and 2 above, and make best convergence.

- After adjustment, fix the wedge at the original position.
  Fasten the retainer screw of the deflection yoke.
  Fix the 6 magnets with glue.

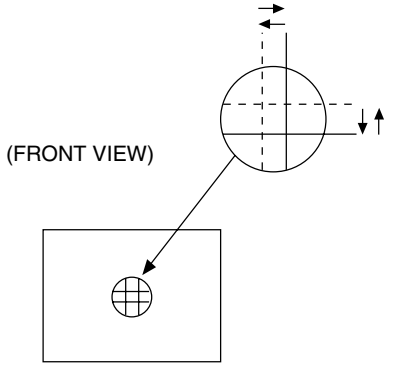


Fig. 4

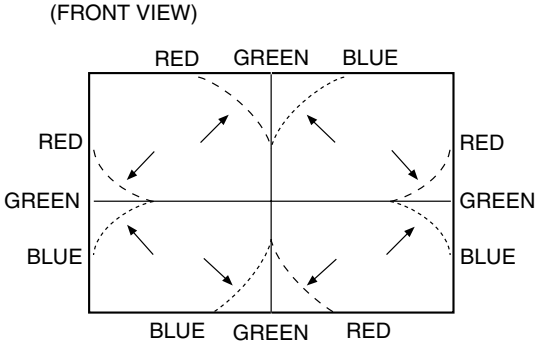


Fig. 5

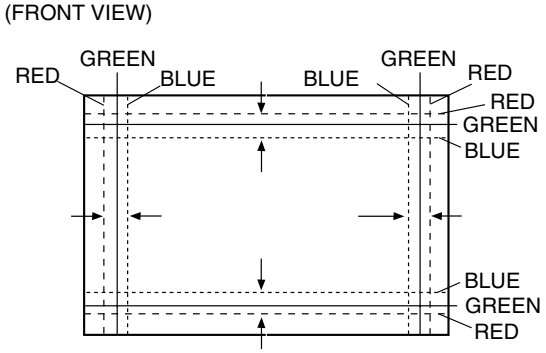


Fig. 6

HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the POWER SW ON.
(2) As shown in Fig. 1, set the resistor (between S1 connector 1 & 3).
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power cord.
(5) Remove the resistor (between S1 connector 1 & 3).
(6) Again plug the power cord, make sure that the normal picture is displayed on the screen.

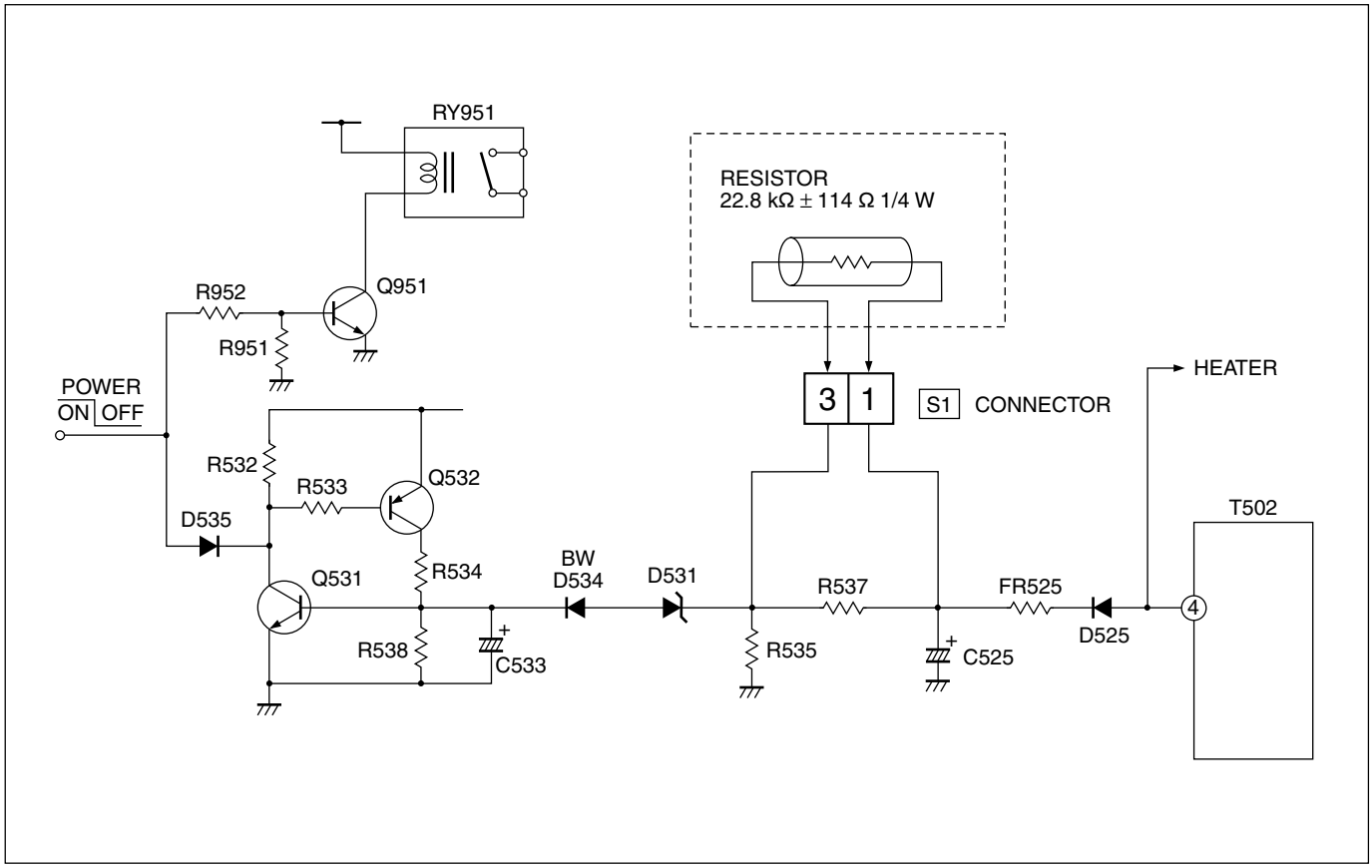


Fig. 1

SELF CHECK FUNCTIONS

1. Outline

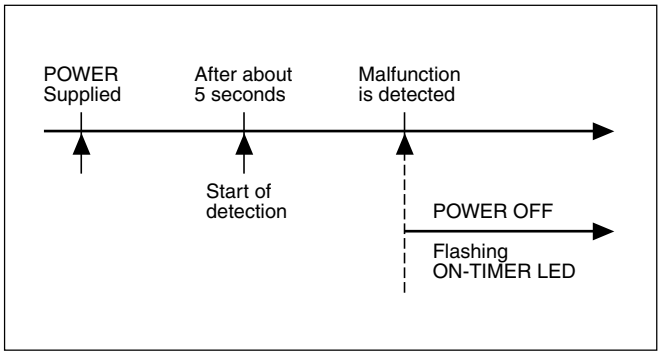
This model has self check functions given below. When a malfunction has been detected, the POWER is turned off and the LED flashes to inform of the failure . The malfunction is detected by the signal input state of the control line connected to the microcomputer.

2. Self check items

Check item	Details of detection	Method of detection	State of malfunction
Over-current protector	Operation of B1 protector circuit.	The microcomputer detects at 1 second intervals. If NG is detected for more than 200 ms, a malfunction is interpreted.	When a malfunction has been detected, the POWER is turned off. While the POWER is being turned off , the power key of the remote controller is not operational until the power code is taken out and put in again.

3. Self check indicating function

The self-check function begins detection about 5 seconds after power is supplied.
In the event a malfunction is detected, the power is cut off immediately.
At this time, the ON-TIMER LED flashes to inform of the malfunction.



[ON-TIMER LED indication]
The ON-TIMER LED flashes at 0.5 seconds intervals.

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

Head office	:	1700 Valley Road, Wayne, New Jersey 07470	(973)317-5000
East Coast	:	10 New Maple Avenue, Pine Brook, New Jersey 07058	(973)396-1000
Midwest	:	705 Enterprise St. Aurora, Illinois 60504	(630)851-7855
West Coast	:	5665 Corporate Avenue, Cypress, California 90630	(714)229-8011
Southwest	:	10700 Hammerly, Suite 105, Houston, Texas 77043	(713)935-9331
Hawaii	:	2969 Mapunapuna Place, Honolulu, Hawaii 96819	(808)833-5828
Southeast	:	1500 Lakes Parkway, Lawrenceville, Georgia 30243	(770)339-2582

JVC CANADA INC.

Head office	:	21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Vancouver	:	13040 Worster Court Richmond B.C. V6V 2B3	(604)270-1311

JVC®

AV36D202AH-UCM #4 AV36D302AH-UCM #4 AV36D502AH-UCM #4
AV36D202AM-UCM #4 AV36D302AM-UCM #4 AV36D502AM-UCM #4
AV36D202AR-UCM #4 AV36D302AR-UCM #4 AV36D502AR-UCM #4
AV36D202AY-UCM #4 AV36D302AY-UCM #4 AV36D502AY-UCM #4

Printed in Japan
VP0112
SW

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied .
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied .

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% 0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 39
EXPLODED VIEW PARTS LIST 40
EXPLODED VIEW 41

PRINTED WIRING BOARD PARTS LIST (AV-36D202/AR)
MAIN PW BOARD ASS'Y 42
CRT SOCKET PW BOARD ASS'Y 45
FRONT CONTROL PW BOARD ASS'Y 45
FRONT AV INPUT PW BOARD ASS'Y 46
AV SELECTOR PW BOARD ASS'Y 46
REMOTE CONTROL UNIT PARTS LIST (RM-C303G-1A) 47
DIFFERENCE PARTS LIST BETWEEN AV-36D202/AR, AV-36D202/AH, AV-36D202/AM AND AV-36D202/AY 48

PRINTED WIRING BOARD PARTS LIST (AV-36D302/AR)
MAIN PW BOARD ASS'Y 49
CRT SOCKET PW BOARD ASS'Y 49
FRONT CONTROL PW BOARD ASS'Y 49
FRONT AV INPUT PW BOARD ASS'Y 49
AV SELECTOR PW BOARD ASS'Y 49
REMOTE CONTROL UNIT PARTS LIST (RM-C303G-1A) 49
DIFFERENCE PARTS LIST BETWEEN AV-36D302/AR, AV-36D302/AH, AV-36D302/AM AND AV-36D302/AY 50

PRINTED WIRING BOARD PARTS LIST (AV-36D502/AR)
MAIN PW BOARD ASS'Y 51
CRT SOCKET PW BOARD ASS'Y 54
FRONT CONTROL PW BOARD ASS'Y 54
FRONT AV INPUT PW BOARD ASS'Y 54
PIP PW BOARD ASS'Y 54
AV SELECTOR PW BOARD ASS'Y 55
REMOTE CONTROL UNIT PARTS LIST (RM-C301G-2A) 57
DIFFERENCE PARTS LIST BETWEEN AV-36D502/AR, AV-36D502/AH, AV-36D502/AM AND AV-36D502/AY 58

PACKING / PACKING PARTS LIST 59

USING P.W. BOARD & REMOTE CONTROL UNIT

[AV-36D202]

P.W.B ASS'Y \ Model	AV-36D202/AR	AV-36D202/AH	AV-36D202/AM	AV-36D202/AY
MAIN PW BOARD	SGC-1016A-M2	SGC-1017A-M2	SGC-1018A-M2	SGC-1015A-M2
CRT SOCKET PW BOARD	SGC-3007A-M2	SGC-3008A-M2	SGC-3006A-M2	SGC-3010A-M2
FRONT CONTROL PW BOARD	SGC-8501A-M2	←	←	←
FRONT AV INPUT PW BOARD	SGC-8601A-M2	←	←	←
AV SELECTOR PW BOARD	SGC0S002A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C303G-1A	←	←	←

[AV-36D302]

P.W.B ASS'Y \ Model	AV-36D302/AR	AV-36D302/AH	AV-36D302/AM	AV-36D302/AY
MAIN PW BOARD	SGC-1016A-M2	SGC-1017A-M2	SGC-1018A-M2	AGC-1015A-M2
CRT SOCKET PW BOARD	SGC-3007A-M2	SGC-3008A-M2	SGC-3006A-M2	SGC-3010A-M2
FRONT CONTROL PW BOARD	SGC-8501A-M2	←	←	←
FRONT AV INPUT PW BOARD	SGC-8601A-M2	←	←	←
AV SELECTOR PW BOARD	SGC0S002A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C303G-1A	←	←	←

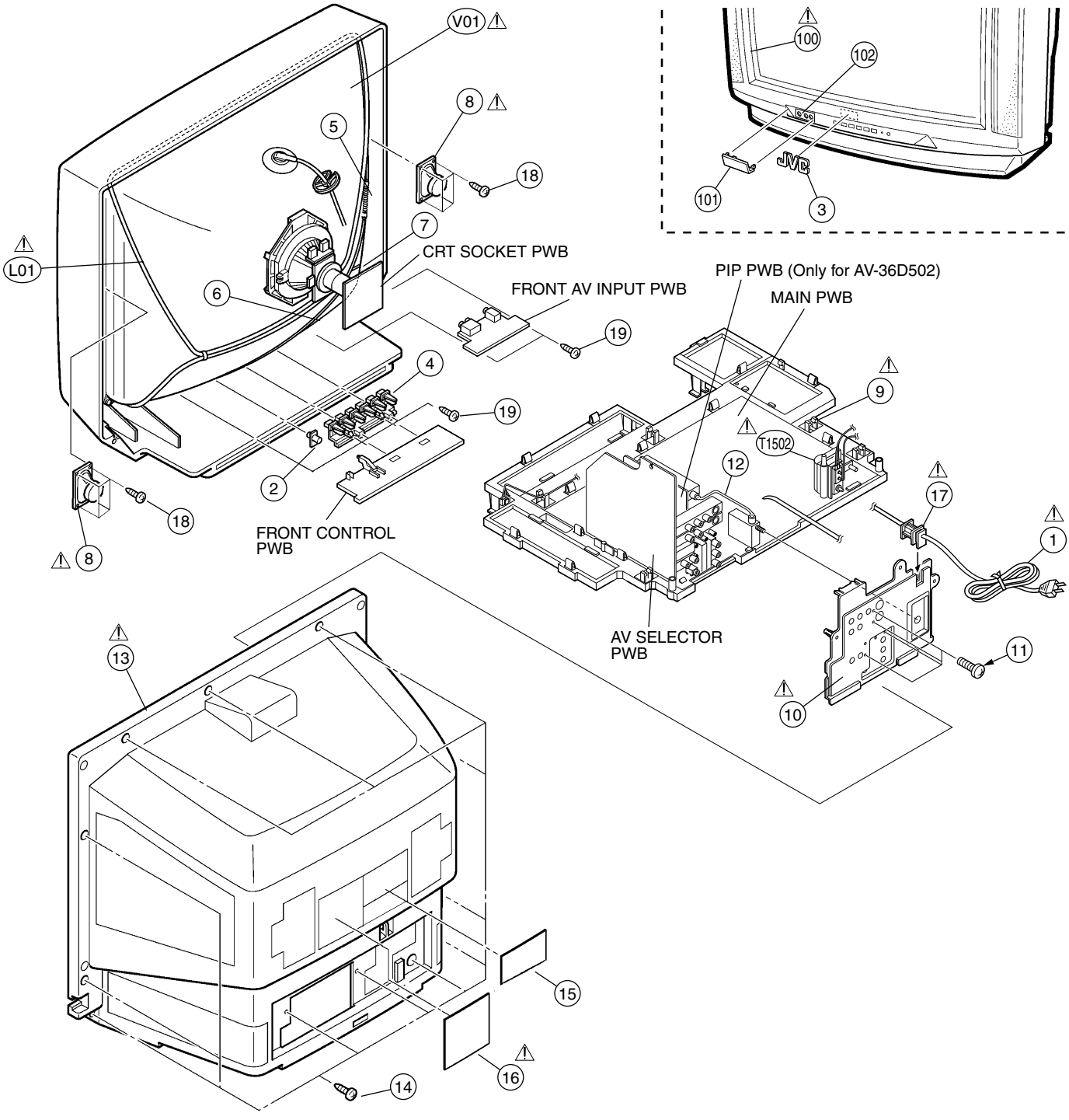
[AV-36D502]

P.W.B ASS'Y \ Model	AV-36D502/AR	AV-36D502/AH	AV-36D502/AM	AV-36D502/AY
MAIN PW BOARD	SGC-1008A-M2	SGC-1010A-M2	SGC-1009A-M2	SGC-1007A-M2
CRT SOCKET PW BOARD	SGC-3007A-M2	SGC-3008A-M2	SGC-3006A-M2	SGC-3010A-M2
FRONT CONTROL PW BOARD	SGC-8501A-M2	←	←	←
FRONT AV INPUT PW BOARD	SGC-8601A-M2	←	←	←
PIP PW BOARD	SGC0P001A-M2	←	←	←
AV SELECTOR PW BOARD	SGC0S001A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C301G-2A	←	←	←

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	L01	CELD067-001JA	DEG COIL	(AV-36D202/AR & AH & AY, AV-36D302/AR & AH & AY, AV-36D502/AR & AH & AY)	
⚠	L01	QQW0114-001	DEG COIL	(AV-36D202/AM, AV-36D302/AM, AV-36D502/AM)	
⚠	T1502	QQH0092-001	FBT	Within MAIN PWB	
⚠	V01	A90LPY30X04	CRT	Inc.DY(AV-36D202/AH, AV-36D302/AH,AV-36D502/AH)	
⚠	V01	A90LLD361X15	CRT	Inc.DY(AV-36D202/AM, AV-36D302/AM,AV-36D502/AM)	
⚠	V01	A90AEJ15X01	CRT	Inc.DY(AV-36D202/AR, AV-36D302/AR,AV-36D502/AR)	
⚠	V01	A90AHH50X10/V/	CRT	Inc.DY(AV-36D202/AY, AV-36D302/AY,AV-36D502/AY)	
⚠	1	QMPD200-200-JC	POWER CORD	CN10PW Within MAIN PWB	
	2	LC30191-002A-A	REMOCON LENS		
	3	CM46084-A01	JVC MARK	(AV-36D202)	
	3	CM46084-002	JVC MARK	(AV-36D302, AV-36D502)	
	4	LC20217-001C-A	CONTROL KNOB	(AV-36D202)	
	4	LC20217-005B-A	CONTROL KNOB	(AV-36D302, AV-36D502)	
	5	A48457-4-S	SPRING		
	6	WJY0016-003A	BRAIDED WIRE		
	7	WJY0013-005A	BRAIDED WIRE(SUB)	(x2)	
⚠	8	CEBSS12D-04KJ2	SPEAKER	(x2) SP01, SP02	
⚠	9	LC10883-001C-A	CHASSIS BASE		
⚠	10	LC20899-001A-A	TERMINAL BOARD	(AV-36D202, AV-36D302)	
⚠	10	LC20899-003A-A	TERMINAL BOARD	(AV-36D502)	
	11	QYSBSB3010Z	TAPPING SCREW	(x4)	
	12	WJX0014-002A	E-COAXIAL ASSY	(Only for AV-36D502)	
⚠	13	LC10644-002A-A	REAR COVER	(AV-36D202/AR, AV-36D302/AR, AV-36D502/AR & AY)	
⚠	13	LC10644-002B-A	REAR COVER	(AV-36D202/AH & AM & AY, AV-36D302/AH & AM & AY, AV-36D502/AH & AM)	
	14	QYSBSFG4016Z	TAPPING SCREW	(x12)	
	15	LC30684-005A-A	BBE LABEL	(AV-36D202/AR, AV-36D302/AR, AV-36D502/AR & AY)	
⚠	16	LC31139-001A-A	RATING LABEL	(AV-36D202/AR, AV-36D302/AR, AV-36D502/AR & AY)	
⚠	16	GQ30032-001A-A	RATING LABEL	(AV-36D202/AH & AM & AY, AV-36D302/AH & AM & AY, AV-36D502/AH & AM)	
⚠	17	LC20106-001D-A	CORD CLAMP		
	18	QYSBSB4012Z	TAPPING SCREW	(x8)	
	19	QYSBSBG3010Z	TAPPING SCREW	(x5)	
⚠	100	LC10642-001G-A	FRONT CABI ASSY	Inc.No.101-102(AV-36D202/AH & AM & AY)	
⚠	100	LC10642-004A-A	FRONT CABI ASSY	Inc.No.101-102(AV-36D202/AR)	
⚠	100	LC10642-004B-A	FRONT CABI ASSY	Inc.No.101-102(AV-36D302/AR, AV-36D502/AY)	
⚠	100	LC10642-004C-A	FRONT CABI ASSY	Inc.No.101-102(AV-36D502/AR)	
⚠	100	LC10642-004D-A	FRONT CABI ASSY	Inc.No.101-102(AV-36D302/AH & AM & AY, AV-36D502/AH & AM)	
	101	LC20409-001C-A	DOOR	(AV-36D202/AR)	
	101	LC20409-001D-A	DOOR	(AV-36D202AH & AM & AY,)	
	101	LC20409-005A-A	DOOR	(AV-36D302/AR, AV-36D502/AR & AY)	
	101	LC20409-005B-A	DOOR	(AV-36D302/AH & AM & AY, AV-36D502/AH & AM)	
	102	CM48229-00A-C	DOOR LATCH	(AV-36D202/AR, AV-36D302/AR, AV-36D502/AR & AY)	
	102	PU60109	CATCHER	(AV-36D202/AH & AM & AY, AV-36D302/AH & AM & AY, AV-36D502/AH & AM)	

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST(AV-36D202/AR)

MAIN PW BOARD ASS'Y(SGC-1016A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description			Local
	R1001	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1002	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1003-04	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1011	NRSA63J-820X	MG R	82Ω	1/16W	J	
	R1012	NRSA63J-182X	MG R	1.8kΩ	1/16W	J	
	R1013	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1014	QRE121J-101Y	C R	100Ω	1/2W	J	
	R1015	NRSA63J-180X	MG R	18Ω	1/16W	J	
	R1016	NRSA63J-270X	MG R	27Ω	1/16W	J	
	R1018	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1020	NRSA63J-332X	MG R	3.3kΩ	1/16W	J	
	R1021	NRSA63J-123X	MG R	12kΩ	1/16W	J	
	R1022	NRSA63J-151X	MG R	150Ω	1/16W	J	
	R1023	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1024	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1025	NRSA63J-561X	MG R	560Ω	1/16W	J	
	R1026	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1028	NRSA63J-821X	MG R	820Ω	1/16W	J	
	R1038	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1041	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1042-43	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1047	NRSA63J-153X	MG R	15kΩ	1/16W	J	
	R1048	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1101-02	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1111	NRSA63J-105X	MG R	1MΩ	1/16W	J	
	R1131	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1134	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1135-39	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1140	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1201	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1231	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1237	NRSA63J-392X	MG R	3.9kΩ	1/16W	J	
	R1238	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1241	NRSA63J-332X	MG R	3.3kΩ	1/16W	J	
	R1243	NRSA63J-152X	MG R	1.5kΩ	1/16W	J	
	R1281	NRSA63J-182X	MG R	1.8kΩ	1/16W	J	
	R1282	NRSA63J-392X	MG R	3.9kΩ	1/16W	J	
	R1283	NRSA63J-681X	MG R	680Ω	1/16W	J	
	R1286	NRSA63J-472X	MG R	4.7kΩ	1/16W	J	
	R1287	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1288	NRSA02J-471X	MG R	470Ω	1/10W	J	
	R1289	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1290	NRSA02J-561X	MG R	560Ω	1/10W	J	
	R1292	NRSA63J-124X	MG R	120kΩ	1/16W	J	
	R1293	NRSA63J-224X	MG R	220kΩ	1/16W	J	
	R1294	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1295	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1301-03	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1304-06	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1354-55	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1356	NRSA63J-123X	MG R	12kΩ	1/16W	J	
	R1359	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1360	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1421	NRSA63J-822X	MG R	8.2kΩ	1/16W	J	
	R1423-24	NRSA63J-393X	MG R	39kΩ	1/16W	J	
	R1426	NRSA63J-183X	MG R	18kΩ	1/16W	J	
	R1427	QRT029J-1R5	MF R	1.5Ω	2W	J	
	R1429	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1430	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1431	NRSA63J-152X	MG R	1.5kΩ	1/16W	J	
	R1432	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1433	NRSA63J-681X	MG R	680Ω	1/16W	J	
	R1434	QRL029J-181	OM R	180Ω	2W	J	
	R1435	QRE121J-102Y	C R	1kΩ	1/2W	J	
	R1441-42	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1444	NRSA63J-183X	MG R	18kΩ	1/16W	J	
	R1445	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1501	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1502	NRSA63J-271X	MG R	270Ω	1/16W	J	
	R1503	QRE121J-103Y	C R	10kΩ	1/2W	J	
	R1504-05	QRL039J-102	OM R	1kΩ	3W	J	
	R1511	QRE121J-220Y	C R	22Ω	1/2W	J	
	R1512	QRE121J-681Y	C R	680Ω	1/2W	J	
⚠	R1523	QRJ146J-333X	C R	33kΩ	1/4W	J	
⚠	R1525	QRZ9011-470	F R	47Ω	1/2W	J	
	R1526	QRE121J-272Y	C R	2.7kΩ	1/2W	J	
	R1527-28	QRE121J-154Y	C R	150kΩ	1/2W	J	
	R1529	NRSA63J-331X	MG R	330Ω	1/16W	J	
⚠	R1531	QRJ146J-391X	C R	390Ω	1/4W	J	
	R1532	NRSA63J-273X	MG R	27kΩ	1/16W	J	
	R1533-34	NRSA63J-123X	MG R	12kΩ	1/16W	J	
⚠	R1535	NRVA02D-222X	MF R	2.2kΩ	1/10W	D	
⚠	R1537	NRVA02D-752X	MF R	7.5kΩ	1/10W	D	
	R1538	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1543	QRE121J-122Y	C R	1.2kΩ	1/2W	J	
	R1544	QRE121J-392Y	C R	3.9kΩ	1/2W	J	
	R1545	QRE121J-822Y	C R	8.2kΩ	1/2W	J	
	R1546	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1547	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1548	QRE121J-152Y	C R	1.5kΩ	1/2W	J	
	R1553	QRL039J-180	OM R	18Ω	3W	J	
	R1601-03	NRSA63J-750X	MG R	75Ω	1/16W	J	
	R1610-12	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1621	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1622	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1623	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1624	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1626-27	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1631	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1632	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1634	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1700-02	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1704-05	NRSA63J-472X	MG R	4.7kΩ	1/16W	J	
	R1706-07	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1708-09	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1715	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1721-22	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1724	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1726	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1728	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1729	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1731-32	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1733-34	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1737	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1738	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1739	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1740	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1741	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1742-44	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1749-51	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1752	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1753	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1754	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1755	NRSA63J-153X	MG R	15kΩ	1/16W	J	
	R1756	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1763	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1764-68	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1769	NRSA63J-682X	MG R	6.8kΩ	1/16W	J	
	R1772	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1775	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1776	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1793-95	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1798-99	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1800	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1801-04	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1806	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1807	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1810	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1811	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1812	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1814	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1815	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1816	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1817	NRSA63J-104X	MG R	100kΩ	1/16W	J	

⚠	Symbol No.	Part No.	Part Name	Description	Local

RESISTOR

	R1818	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R1821	NRSA63J-104X	MG R	100kΩ 1/16W	J
	R1822	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R1824	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R1827	NRSA63J-102X	MG R	1kΩ 1/16W	J
	R1856	QRX039J-6R8	MF R	6.8Ω 3W	J
⚠	R1857	QRL029J-270	OM R	27Ω 2W	J
⚠	R1858	QRL029J-470	OM R	47Ω 2W	J
⚠	R1901	QRF074K-R47	UNF R	0.47Ω 7W	K
⚠	R1909	QRG01GJ-470	OM R	47Ω 1W	J
	R1911	QRE121J-223Y	C R	22kΩ 1/2W	J
	R1912-13	QRT029J-R22	MF R	0.22Ω 2W	J
	R1914	QRK126J-681X	C R	680Ω 1/2W	J
	R1915	QRE121J-6R8Y	C R	6.8Ω 1/2W	J
⚠	R1917	QRK126J-332X	C R	3.3kΩ 1/2W	J
	R1918	QRE121J-222Y	C R	2.2kΩ 1/2W	J
	R1919	QRE121J-684Y	C R	680kΩ 1/2W	J
	R1924	QRE121J-222Y	C R	2.2kΩ 1/2W	J
	R1930	QRE121J-223Y	C R	22kΩ 1/2W	J
	R1939	QRT039J-2R2	MF R	2.2Ω 3W	J
	R1940	QRE121J-181Y	C R	180Ω 1/2W	J
	R1941	QRL029J-183	OM R	18kΩ 2W	J
	R1951	NRSA63J-473X	MG R	47kΩ 1/16W	J
	R1952	NRSA63J-102X	MG R	1kΩ 1/16W	J
	R1953	QRE121J-820Y	C R	82Ω 1/2W	J
	R1973	QRE121J-272Y	C R	2.7kΩ 1/2W	J
	R1975	QRE121J-223Y	C R	22kΩ 1/2W	J
	R1977	QRE121J-473Y	C R	47kΩ 1/2W	J
	R1978	NRSA63J-333X	MG R	33kΩ 1/16W	J
	R1979	QRT029J-1R2	MF R	1.2Ω 2W	J
	R1980	QRT029J-1R2	MF R	1.2Ω 2W	J
⚠	R1998	QRZ9041-275	C R	2.7MΩ 1/2W	K
	R1999	QRE121J-121Y	C R	120Ω 1/2W	J

CAPACITOR

	C1001	QETN1HM-475Z	E CAP.	4.7µF 50V	M
	C1002	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1003	QETN1CM-108Z	E CAP.	1000µF 16V	M
	C1011-12	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1014	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1015-16	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1021	QFV71HJ-824Z	MF CAP.	0.82µF 50V	J
	C1023	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1024	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1025	NCB31HK-102X	C CAP.	1000pF 50V	K
	C1026	QETN1HM-474Z	E CAP.	0.47µF 50V	M
	C1027	NCB21HK-104X	C CAP.	0.1µF 50V	K
	C1028	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1030	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1034	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1036	QETN1AM-477Z	E CAP.	470µF 10V	M
	C1037	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1038	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1041-42	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1043-44	NDC31HJ-470X	C CAP.	47pF 50V	J
	C1045	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1046	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1047	NDC21HJ-330X	C CAP.	33pF 50V	J
	C1048	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1111	QETN0JM-228Z	E CAP.	2200µF 6.3V	M
	C1112	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1113	QETN1HM-474Z	E CAP.	0.47µF 50V	M
	C1114	QETN1HM-105Z	E CAP.	1µF 50V	M
	C1115	QFV71HJ-104Z	MF CAP.	0.1µF 50V	J
	C1116	NCB31EK-104X	C CAP.	0.1µF 25V	K
	C1134	NDC31HJ-470X	C CAP.	47pF 50V	J
	C1135	NDC31HJ-330X	C CAP.	33pF 50V	J
	C1136	QENC1CM-106Z	E CAP.	10µF 16V	M
	C1151	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1201	NDC31HJ-100X	C CAP.	10pF 50V	J

⚠	Symbol No.	Part No.	Part Name	Description	Local

CAPACITOR

	C1202	QETN1HM-224Z	E CAP.	0.22µF 50V	M
	C1203	NCB31HK-222X	C CAP.	2200pF 50V	K
	C1233	NDC31HJ-560X	C CAP.	56pF 50V	J
	C1237	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1281	QFV71HJ-474Z	MF CAP.	0.47µF 50V	J
	C1282	QETN1CM-227Z	E CAP.	220µF 16V	M
	C1283	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1284	QETN1HM-225Z	E CAP.	2.2µF 50V	M
	C1285	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1286	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1287	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1288	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1352	QETN1CM-336Z	E CAP.	33µF 16V	M
	C1354	QFV71HJ-154Z	MF CAP.	0.15µF 50V	J
	C1391	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1392	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1393-95	NCB31EK-104X	C CAP.	0.1µF 25V	K
	C1421	NCB21HK-102X	C CAP.	1000pF 50V	K
	C1422	QFLC1HJ-103Z	M CAP.	0.01µF 50V	J
	C1424	QETN1VM-107Z	E CAP.	100µF 35V	M
	C1425	QETN1VM-477Z	E CAP.	470µF 35V	M
	C1427	QETN1HM-105Z	E CAP.	1µF 50V	M
	C1428	QETM1EM-228	E CAP.	2200µF 25V	M
	C1430	NCB21CK-474X	C CAP.	0.47µF 16V	K
	C1431	QFLC2AK-563Z	M CAP.	0.056µF 100V	K
	C1433	QETN1EM-476Z	E CAP.	47µF 25V	M
	C1434	NDC21HJ-100X	C CAP.	10pF 50V	J
	C1435	NCB21HK-183X	C CAP.	0.018µF 50V	K
	C1501	QCB32HK-151Z	C CAP.	150pF 500V	K
	C1502	QCB32HK-331Z	C CAP.	330pF 500V	K
	C1503	QEHR2CM-105Z	E CAP.	1µF 160V	M
	C1504	QEZ0203-107	E CAP.	100µF 160V	M
	C1507-08	QEM61HK-475Z	E CAP.	4.7µF 50V	K
⚠	C1510	QFZ0196-532	MPP CAP.	5300pF 1.5kVH	±3%
⚠	C1513	QFZ0198-133	MPP CAP.	0.013µF 1.5kVH	±3%
⚠	C1514	QFP32GJ-183	PP CAP.	0.018µF 400V	J
⚠	C1515	QFZ0197-624	MPP CAP.	0.62µF 250V	Z
	C1516	QCB32HK-561Z	C CAP.	560pF 500V	K
	C1521	QETN2EM-106Z	E CAP.	10µF 250V	M
	C1523	QEHR1EM-108Z	E CAP.	1000µF 25V	M
	C1525	QETN1VM-107Z	E CAP.	100µF 35V	M
	C1526	QFV21HJ-824Z	MF CAP.	0.82µF 50V	J
	C1527	QFLC2AJ-103Z	M CAP.	0.01µF 100V	J
	C1531	QCB32HK-102Z	C CAP.	1000pF 500V	K
	C1533	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1601-03	QETN1EM-476Z	E CAP.	47µF 25V	M
	C1609-11	QFV71HJ-104Z	MF CAP.	0.1µF 50V	J
	C1621	NCB31HK-102X	C CAP.	1000pF 50V	K
	C1622	NCF21CZ-105X	C CAP.	1µF 16V	Z
	C1623	NCB31HK-102X	C CAP.	1000pF 50V	K
	C1624	NCF21CZ-105X	C CAP.	1µF 16V	Z
	C1625	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1626	QETN1EM-108Z	E CAP.	1000µF 25V	M
	C1627	QETN1HM-474Z	E CAP.	0.47µF 50V	M
	C1628-29	QETN1EM-108Z	E CAP.	1000µF 25V	M
	C1634	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1700	NCB31HK-102X	C CAP.	1000pF 50V	K
	C1702	NCB31EK-104X	C CAP.	0.1µF 25V	K
	C1703	NDC31HJ-181X	C CAP.	180pF 50V	J
	C1706	QETN1HM-105Z	E CAP.	1µF 50V	M
	C1707	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1710	NCB21EK-683X	C CAP.	0.068µF 25V	K
	C1722-23	NDC31HJ-390X	C CAP.	39pF 50V	J
	C1724	NDC31HJ-471X	C CAP.	470pF 50V	J
	C1726	NDC21HJ-561X	C CAP.	560pF 50V	J
	C1728	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1800	QETN1EM-107Z	E CAP.	100µF 25V	M
	C1801	NCB31EK-104X	C CAP.	0.1µF 25V	K
	C1802	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1804	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C1807	QETN1HM-106Z	E CAP.	10µF 50V	M
	C1810	QENC1HM-474Z	BP E CAP.	0.47µF 50V	M

⚠	Symbol No.	Part No.	Part Name	Description	Local
	CAPACITOR				
	C1811	QENC1HM-105Z	E CAP.	1µF 50V	M
	C1812-13	NCB31HK-102X	C CAP.	1000pF 50V	K
	C1816	NCB31HK-153X	C CAP.	0.015µF 50V	K
	C1853-54	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1856-57	QETN1CM-107Z	E CAP.	100µF 16V	M
⚠	C1901	QFZ9067-104	MM CAP.	0.1µF	
⚠	C1902	QFZ9067-473	MM CAP.	0.047µF	
⚠	C1904-06	QCZ9054-102	C CAP.	1000pF AC250V	Z
⚠	C1907	QEZ0169-477	E CAP.	470µF 200V	M
⚠	C1908	QCZ9054-102	C CAP.	1000pF AC250V	Z
	C1912	QCZ0340-222	C CAP.	2200pF	
	C1913	QFLC1HJ-471Z	M CAP.	470pF 50V	J
	C1914	QETN1HM-107Z	E CAP.	100µF 50V	M
	C1916	NDC31HJ-331X	C CAP.	330pF 50V	J
	C1917	NCB31HK-182X	C CAP.	1800pF 50V	K
	C1918	NCB21HK-104X	C CAP.	0.1µF 50V	K
	C1919	QFP32GJ-103	PP CAP.	0.01µF 400V	J
	C1931	QEZ0203-107	E CAP.	100µF 160V	M
	C1933	QETN1CM-108Z	E CAP.	1000µF 16V	M
	C1934	NDC31HJ-221X	C CAP.	220pF 50V	J
	C1935	QETN1EM-108Z	E CAP.	1000µF 25V	M
	C1937	QCZ0340-102	C CAP.	1000pF	
	C1938	QETN1CM-477Z	E CAP.	470µF 16V	M
	C1939	QCB32HK-152Z	C CAP.	1500pF 500V	K
	C1941	QCB32HK-102Z	C CAP.	1000pF 500V	K
	C1942	QEHR1HM-105Z	E CAP.	1µF 50V	M
	C1951	QETN1EM-477Z	E CAP.	470µF 25V	M
	C1952	QETN1CM-227Z	E CAP.	220µF 16V	M
	C1971	QETN1CM-107Z	E CAP.	100µF 16V	M
	C1972	QETN1EM-476Z	E CAP.	47µF 25V	M
	C1973	QETN1HM-106Z	E CAP.	10µF 50V	M
⚠	C1997	QCZ9052-102	C CAP.	1000pF AC125V	K
⚠	C1998-99	QCZ9074-103	C CAP.	0.01µF AC125V	M
	TRANSFORMER				
	T1501	CE42034-002	H.DRIVE TRANSF.		
⚠	T1502	QQH0100-001	FBT		
⚠	T1921	QQS0118-001	SW TRANSF		
⚠	T1951	QQT0355-001	POWER TRANSF		
	COIL				
⚠	L1001	QQL244K-560Z	COIL	56µH	K
	L1012	QQLZ014-R39	COIL	0.39µH	
	L1021	QRN143J-0R0X	C R	0.0Ω 1/4W	J
	L1022	QQL244K-220Z	COIL	22µH	K
	L1027	QRN143J-0R0X	C R	0.0Ω 1/4W	J
	L1041	QRN143J-0R0X	C R	0.0Ω 1/4W	J
	L1042	QQL244K-220Z	COIL	22µH	K
	L1101	QQL244K-470Z	COIL	47µH	K
	L1232	QQL244K-560Z	COIL	56µH	K
⚠	L1511	QQR1027-003	LINE FILTER		
	L1512	QQLZ027-821	CHOKE COIL	820µH	
⚠	L1521	QQLZ018-560	HEATER CHOKE		
	L1700	QQL244K-4R7Z	COIL	4.7µH	K
	L1810	QQL244J-100Z	COIL	10µH	J
	L1931	QQL26AK-470Z	COIL	47µH	K
	L1933	QQL26AK-470Z	COIL	47µH	K
	L1940	QQR0582-001Z	BEADS CORE		
	DIODE				
	D1010	MTZJ9.1C-T2	ZENER DIODE		
	D1101-02	MTZJ5.6B-T2	ZENER DIODE		
	D1305-10	1SS133-T2	SI.DIODE		
	D1352	MTZJ9.1C-T2	ZENER DIODE		
	D1353	1SS133-T2	SI.DIODE		
	D1421	1N4003-T2	SI.DIODE		
	D1422	MTZJ75-T2	ZENER DIODE		
	D1424	1SS133-T2	SI.DIODE		
	D1501	RH3G-F1	SI.DIODE		
⚠	D1502	RU3AM-LFC4	SI.DIODE		

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
	D1521	RH1S-T3	SI.DIODE		
⚠	D1523	RGP10J-5025-T3	SI.DIODE		
	D1525-26	1SS81-T5	SI.DIODE		
	D1527	1SR124-400A-T2	SI.DIODE		
	D1529	MTZJ5.1C-T2	ZENER DIODE		
⚠	D1531	MA4068N/Z1/-T2	ZENER DIODE		
	D1535	1SS133-T2	SI.DIODE		
	D1537	1SR35-400A-T2	SI.DIODE		
	D1601	MTZJ9.1C-T2	ZENER DIODE		
	D1603	MTZJ9.1C-T2	ZENER DIODE		
	D1606	MTZJ9.1C-T2	ZENER DIODE		
	D1700	MTZJ5.6B-T2	ZENER DIODE		
	D1701	1SS133-T2	SI.DIODE		
	D1703-04	MTZJ5.6B-T2	ZENER DIODE		
	D1716	1SS133-T2	SI.DIODE		
	D1721-22	1SS133-T2	SI.DIODE		
	D1723-24	MTZJ5.6B-T2	ZENER DIODE		
	D1801	1SS133-T2	SI.DIODE		
	D1810	MTZJ5.6B-T2	ZENER DIODE		
	D1811	1SS133-T2	SI.DIODE		
⚠	D1901	GSIB460-S1	BRIDGE DIODE		
	D1910	MA700A-T2	SI.DIODE		
⚠	D1911-13	RGP10J-5025-T3	SI.DIODE		
	D1914	1SS133-T2	SI.DIODE		
	D1915	SARS01-T2	SI.DIODE		
	D1917	MTZJ30A-T2	ZENER DIODE		
	D1918	MTZJ5.1C-T2	ZENER DIODE		
	D1920	1SS133-T2	SI.DIODE		
	D1931	RU30A-F1	SI.DIODE		
	D1933	RU3YX-LFC4	SI.DIODE		
	D1935	RU3YX-LFC4	SI.DIODE		
	D1941	MTZJ33A-T2	ZENER DIODE		
	D1945	MTZJ9.1B-T2	ZENER DIODE		
	D1952-53	1SS133-T2	SI.DIODE		
	D1954-57	1SR35-400A-T2	SI.DIODE		
	D1972	MTZJ15C-T2	ZENER DIODE		
	D1973	1SS133-T2	SI.DIODE		
	TRANSISTOR				
	Q1011	2SC5083/L-P/-T	SI.TRANSISTOR		
	Q1021	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1024	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1025	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1041	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1131-33	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1150	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1232-33	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1352	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1431	UN2212-X	DEGI.TRANSISTOR		
	Q1501	2SC4212/Z1/	SI.TRANSISTOR		
⚠	Q1511	2SD2645-YD	TRANSISTOR		
	Q1531	2SC2785/JH/-T	SI.TRANSISTOR		
	Q1532	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1541-42	2SA1037AK/QR/-X	SI.TRANSISTOR		
⚠	Q1543	2SD1408/OY/-LB	SI.TRANSISTOR		
	Q1621	UN2212-X	DEGI.TRANSISTOR		
	Q1622	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1623	UN2212-X	DEGI.TRANSISTOR		
	Q1700	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1701	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1706	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1711	UN2212-X	DEGI.TRANSISTOR		
	Q1810	UN2213-X	DIGI TRANSISTOR		
	Q1951	2SD1383K/AB/-X	SI.TRANSISTOR		
	Q1971	2SA1208/ST/Z1-T	SI.TRANSISTOR		
	IC				
	IC1101	TB1253AN	I.C(M)		
⚠	IC1421	LA7841	I.C(MONO-ANA)		
⚠	IC1621	LA4485	I.C(MONO-ANA)		
	IC1701	MN1876478JW	I.C(MICRO-COMP)		
	IC1702	AT24C04-GC1	I.C(MEMORY-OTH)	(SERVICE)	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC1703	L78LR05E-MA	I.C(MONO-ANA)		
	IC1852	AN7809F	I.C(MONO-ANA)		
	IC1853	AN7805F	I.C(MONO-ANA)		
⚠	IC1911	STR-G6624/F8	I.C(HYBRID)		
⚠	IC1921	SE135N	I.C(HYBRID)		
	OTHERS				
	CF1001	QAX0349-001	CERAMIC FILTER		
	CF1021	QAX0639-001Z	CERAMIC FILTER		
	CF1041	QAX0642-001Z	CERAMIC FILTER		
⚠	CN10PW	QMPD200-200-JC	POWER CORD		
⚠	CP1932	ICP-N70-T	I.C.PROTECT		
⚠	CP1936	ICP-N70-T	I.C.PROTECT		
⚠	F1901	QMF51U1-5R0-J8	FUSE		
⚠	F1905	QMFZ034-5R0Z-J1	FUSE		
⚠	FC1901	CEMG002-001Z	FUSE CLIP		
⚠	FR1521	QRK129J-150	C R	15Ω 1/2W	J
⚠	FR1523	QRX029J-3R3	MF R	3.3Ω 2W	J
⚠	FR1525	QRZ9017-4R7	F R	4.7Ω 1/4W	J
	J1601	QNN0349-002	PIN JACK		
	J1810	QNS0001-001	JACK		
	K1401	QQR0621-002Z	BEADS CORE		
	K1912	QQR0582-001Z	BEADS CORE		
	K1916-18	QQR0582-001Z	BEADS CORE		
	K1931-33	QQR0582-001Z	BEADS CORE		
	K1935	QQR0582-001Z	BEADS CORE		
	K1941	QQR0621-002Z	BEADS CORE		
	LC1601-03	QQR1199-001	FILTER		
⚠	LF1901	QQR0527-003	LINE FILTER		
⚠	PC1921	TLP421F/D4-GR/	I.C(PH.COUPLER)		
⚠	RY1951	QSK0085-001	RELAY		
	S1421	QSL4A13-C02	LEVER SWITCH		
	SF1011	QAX0324-002	SAW FILTER		
⚠	TH1901	QAD0132-3R0	W-PTC		
⚠	TU1001	QAU0176-001	TUNER		
⚠	VA1901	ERZV10V621CS	VARISTOR		
	W1106	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1213	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1265	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1311	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1331	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1442-43	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1478	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1548-49	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1567	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1572	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1579	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1581	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1609	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1628	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1636	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1653	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1666	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1710	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1716	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1729	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1746	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1762	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1764	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1766	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1773	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1784	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1797-98	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1804	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1821	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	X1201	CE40668-001Z	CRYSTAL		
	X1700	QAX0307-001	CER.RESONATOR		
	Y1002-03	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	Y1800	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	Y1903	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J

CRT SOCKET PW BOARD ASS'Y(SGC-3007A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R3354-56	NRSA63J-221X	MG R	220Ω 1/16W	J
	R3357-59	NRSA63J-101X	MG R	100Ω 1/16W	J
	R3360-62	QRZ0111-152	C R	1.5kΩ 1/2W	K
	R3363-65	QRG029J-103	OM R	10kΩ 2W	J
	R3366-68	NRSA63J-182X	MG R	1.8kΩ 1/16W	J
	R3372-74	NRSA63J-221X	MG R	220Ω 1/16W	J
	R3375-77	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R3381	QRE121J-394Y	C R	390kΩ 1/2W	J
	R3391	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R3392	NRSA63J-392X	MG R	3.9kΩ 1/16W	J
	R3393-95	NRSA63J-102X	MG R	1kΩ 1/16W	J
	CAPACITOR				
	C3354-55	NDC31HJ-391X	C CAP.	390pF 50V	J
	C3356	NDC31HJ-471X	C CAP.	470pF 50V	J
	C3357	QETN1CM-107Z	E CAP.	100µF 16V	M
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3kV	Z
	C3391	QETN1AM-227Z	E CAP.	220µF 10V	M
	C3392	NDC31HJ-101X	C CAP.	100pF 50V	J
	COIL				
	L3381	QQL244K-101Z	COIL	100µH	K
	DIODE				
	D3391	1SS133-T2	SI.DIODE		
	TRANSISTOR				
	Q3351-53	2SC4544-LB	SI.TRANSISTOR		
	Q3391	2SA933AS/QR/-T	SI.TRANSISTOR		
	OTHERS				
⚠	SK3351	QNZ0537-001	CRT SOCKET		
	W3002	NRSA02J-0R0X	MG R	0.0Ω 1/10W	J

FRONT CONTROL PW BOARD ASS'Y(SGC-8501A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R8702	NRSA63J-472X	MG R	4.7kΩ 1/16W	J
	R8703	NRSA63J-153X	MG R	15kΩ 1/16W	J
	R8705	NRSA63J-472X	MG R	4.7kΩ 1/16W	J
	R8706	NRSA63J-153X	MG R	15kΩ 1/16W	J
	R8707	NRSA63J-332X	MG R	3.3kΩ 1/16W	J
	R8708	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R8709	NRSA63J-561X	MG R	560Ω 1/16W	J
	CAPACITOR				
	C8701	QETN1EM-476Z	E CAP.	47µF 25V	M
	DIODE				
	D8701	SLR-342VR3F	L.E.D.		
	TRANSISTOR				
	Q8701-02	UN2112-X	DIGI TRANSISTOR		
	IC				
	IC8701	GP1U281Q	IFR DETECT UNIT		

⚠	Symbol No.	Part No.	Part Name	Description	Local
	OTHERS				
		LC30190-001B-A	L.E.D.HOLDER		
	S8701	QSW0619-003Z	PUSH SWITCH	POWER	
	S8702	QSW0619-003Z	PUSH SWITCH	NENU	
	S8703	QSW0619-003Z	PUSH SWITCH	CH-	
	S8704	QSW0619-003Z	PUSH SWITCH	CH+	
	S8705	QSW0619-003Z	PUSH SWITCH	VOL-	
	S8706	QSW0619-003Z	PUSH SWITCH	VOL+	
	W8002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	

FRONT AV INPUT PW BOARD ASS'Y(SGC-8601A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R8401	NRSA63J-750X	MG R	75Ω 1/16W J	
	R8402-03	NRSA63J-224X	MG R	220kΩ 1/16W J	
	CAPACITOR				
	C8402-03	QETN1HM-105Z	E CAP.	1μF 50V M	
	OTHERS				
	J8401	QNN0281-003	PIN JACK		
	J8402	QNN0281-002	PIN JACK		
	J8403	QNN0282-001	PIN JACK		
	LC8401	QQR1199-001	FILTER		
	W8001	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	

AV SELECTOR PW BOARD ASS'Y(SGC0S002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0081	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0082	NRSA63J-682X	MG R	6.8kΩ 1/16W J	
	R0083	NRSA63J-153X	MG R	15kΩ 1/16W J	
	R0084	NRSA63J-683X	MG R	68kΩ 1/16W J	
	R0085	NRSA63J-332X	MG R	3.3kΩ 1/16W J	
	R0086	NRSA63J-333X	MG R	33kΩ 1/16W J	
	R0087	NRSA63J-153X	MG R	15kΩ 1/16W J	
	R0088	NRSA63J-152X	MG R	1.5kΩ 1/16W J	
	R0089	NRSA63J-562X	MG R	5.6kΩ 1/16W J	
	R0090	NRSA63J-563X	MG R	56kΩ 1/16W J	
	R0151-54	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0155	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0157	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0159	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0210	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0211	NRSA63J-153X	MG R	15kΩ 1/16W J	
	R0212	NRSA63J-333X	MG R	33kΩ 1/16W J	
	R0213	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0214	NRSA63J-181X	MG R	180Ω 1/16W J	
	R0215	NRSA63J-152X	MG R	1.5kΩ 1/16W J	
	R0216	NRSA63J-182X	MG R	1.8kΩ 1/16W J	
	R0217	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0218	NRSA63J-222X	MG R	2.2kΩ 1/16W J	
	R0223	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0229	NRSA63J-473X	MG R	47kΩ 1/16W J	
	R0230	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0231	NRSA63J-101X	MG R	100Ω 1/16W J	
	R0232	NRSA63J-102X	MG R	1kΩ 1/16W J	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0233	NRSA63J-272X	MG R	2.7kΩ 1/16W J	
	R0234	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0235-36	NRSA63J-101X	MG R	100Ω 1/16W J	
	R0238	NRSA63J-822X	MG R	8.2kΩ 1/16W J	
	R0239	NRSA63J-123X	MG R	12kΩ 1/16W J	
	R0241	NRSA63J-821X	MG R	820Ω 1/16W J	
	R0242	NRSA63J-474X	MG R	470kΩ 1/16W J	
	R0243-44	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0251	NRSA63J-471X	MG R	470Ω 1/16W J	
	R0253	NRSA63J-681X	MG R	680Ω 1/16W J	
	R0254-55	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0258	NRSA63J-101X	MG R	100Ω 1/16W J	
	R0259	NRSA63J-222X	MG R	2.2kΩ 1/16W J	
	R0261	NRSA63J-101X	MG R	100Ω 1/16W J	
	R0262	NRSA63J-222X	MG R	2.2kΩ 1/16W J	
	R0263	NRSA63J-471X	MG R	470Ω 1/16W J	
	R0265	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0269-70	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0331-34	NRSA63J-101X	MG R	100Ω 1/16W J	
	R0371-74	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0375-76	NRSA63J-333X	MG R	33kΩ 1/16W J	
	R0377-78	NRSA63J-472X	MG R	4.7kΩ 1/16W J	
	R0381	NRSA63J-562X	MG R	5.6kΩ 1/16W J	
	R0382	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0384-87	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0391-92	NRSA63J-221X	MG R	220Ω 1/16W J	
	R0393-94	NRSA63J-823X	MG R	82kΩ 1/16W J	
	R0395-96	NRSA63J-221X	MG R	220Ω 1/16W J	
	R0501	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0502-03	NRSA63J-820X	MG R	82Ω 1/16W J	
	R0504	NRSA63J-750X	MG R	75Ω 1/16W J	
	R0505	NRSA63J-823X	MG R	82kΩ 1/16W J	
	R0506	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0507	NRSA63J-823X	MG R	82kΩ 1/16W J	
	R0508	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0512	NRSA63J-823X	MG R	82kΩ 1/16W J	
	R0513	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0514	NRSA63J-823X	MG R	82kΩ 1/16W J	
	R0515	NRSA63J-102X	MG R	1kΩ 1/16W J	
	R0518	NRSA63J-153X	MG R	15kΩ 1/16W J	
	R0519	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0520	NRSA63J-153X	MG R	15kΩ 1/16W J	
	R0523	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0542	NRSA63J-821X	MG R	820Ω 1/16W J	
	R0543-44	NRSA63J-182X	MG R	1.8kΩ 1/16W J	
	R0546	NRSA63J-273X	MG R	27kΩ 1/16W J	
	R0547	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0548	NRSA63J-222X	MG R	2.2kΩ 1/16W J	
	R0552	NRSA63J-183X	MG R	18kΩ 1/16W J	
	R0553	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0560	NRSA63J-221X	MG R	220Ω 1/16W J	
	R0561	NRSA63J-222X	MG R	2.2kΩ 1/16W J	
	R0562	NRSA63J-471X	MG R	470Ω 1/16W J	
	R0565	NRSA63J-223X	MG R	22kΩ 1/16W J	
	R0566	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0567	NRSA63J-152X	MG R	1.5kΩ 1/16W J	
	R0568	NRSA63J-183X	MG R	18kΩ 1/16W J	
	R0569	NRSA63J-103X	MG R	10kΩ 1/16W J	
	R0570	NRSA63J-152X	MG R	1.5kΩ 1/16W J	
	R0571	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	R0572	NRSA63J-562X	MG R	5.6kΩ 1/16W J	
	R0574	NRSA63J-471X	MG R	470Ω 1/16W J	
	CAPACITOR				
	C0081	NCB21HK-104X	C CAP.	0.1μF 50V K	
	C0082	QENC1HM-475Z	BP E CAP.	4.7μF 50V M	
	C0083	QENC1HM-105Z	E CAP.	1μF 50V M	
	C0084	QETN1HM-225Z	E CAP.	2.2μF 50V M	
	C0085	NCB21HK-473X	C CAP.	0.047μF 50V K	
	C0086	QETN1HM-474Z	E CAP.	0.47μF 50V M	
	C0087-88	NCB21HK-104X	C CAP.	0.1μF 50V K	
	C0089	QETN1HM-335Z	E CAP.	3.3μF 50V M	

⚠	Symbol No.	Part No.	Part Name	Description	Local

CAPACITOR

	C0090	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0091	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0092-93	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0094	QETN1HM-475Z	E CAP.	4.7µF 50V	M
	C0095	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0151-52	QENC1HM-105Z	E CAP.	1µF 50V	M
	C0153-54	NCB31HK-332X	C CAP.	3300pF 50V	K
	C0155-56	NCB21HK-333X	C CAP.	0.033µF 50V	K
	C0157-58	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0159	QETN1EM-476Z	E CAP.	47µF 25V	M
	C0160	NCB21HK-104X	C CAP.	0.1µF 50V	K
	C0205	QETN1HM-476Z	E CAP.	47µF 50V	M
	C0206	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0211	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0212	NDC31HJ-101X	C CAP.	100pF 50V	J
	C0213	NDC31HJ-470X	C CAP.	47pF 50V	J
	C0214	NDC31HJ-181X	C CAP.	180pF 50V	J
	C0215	QETN1HM-474Z	E CAP.	0.47µF 50V	M
	C0223	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0226	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0231-33	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0234	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0235	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0236	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0237	NCB31HK-472X	C CAP.	4700pF 50V	K
	C0238-39	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0241-45	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0246	NDC31HJ-181X	C CAP.	180pF 50V	J
	C0247-49	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0251	QETN1HM-476Z	E CAP.	47µF 50V	M
	C0252	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0253	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	C0255	NDC31HJ-390X	C CAP.	39pF 50V	J
	C0261	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	C0263	NDC31HJ-150X	C CAP.	15pF 50V	J
	C0331	QETN1CM-107Z	E CAP.	100µF 16V	M
	C0332	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0333	QETN1EM-476Z	E CAP.	47µF 25V	M
	C0334	NCB21HK-273X	C CAP.	0.027µF 50V	K
	C0335	QETN1HM-225Z	E CAP.	2.2µF 50V	M
	C0336	NCB31HK-222X	C CAP.	2200pF 50V	K
	C0337	NCB21HK-104X	C CAP.	0.1µF 50V	K
	C0338	QETN1HM-225Z	E CAP.	2.2µF 50V	M
	C0339	NCB31HK-222X	C CAP.	2200pF 50V	K
	C0340	NCB21HK-104X	C CAP.	0.1µF 50V	K
	C0343	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0371-72	QENC1HM-105Z	E CAP.	1µF 50V	M
	C0373	QETN1EM-476Z	E CAP.	47µF 25V	M
	C0391-92	QETN1HM-474Z	E CAP.	0.47µF 50V	M
	C0501-02	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0504-05	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0512-14	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0515-16	QETN1HM-105Z	E CAP.	1µF 50V	M
	C0518	NCB31HK-103X	C CAP.	0.01µF 50V	K
	C0519	QETN1EM-476Z	E CAP.	47µF 25V	M
	C0520	QETN1HM-106Z	E CAP.	10µF 50V	M
	C0521-22	QETN1EM-476Z	E CAP.	47µF 25V	M
	C0531-32	NCB31HK-103X	C CAP.	0.01µF 50V	K

COIL

	L0202	QQL244K-150Z	COIL	15µH	K
	L0211	QQL244K-4R7Z	COIL	4.7µH	K
	L0242-43	QQL244K-4R7Z	COIL	4.7µH	K
	L0261	QQL244K-150Z	COIL	15µH	K

DIODE

D0391-92	MTZJ9.1C-T2	ZENER DIODE	
D0501-07	MTZJ9.1C-T2	ZENER DIODE	
D0511-16	MTZJ9.1C-T2	ZENER DIODE	

⚠	Symbol No.	Part No.	Part Name	Description	Local

TRANSISTOR

Q0211-12	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0218	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0219	2SA1037AK/QR/-X	SI.TRANSISTOR	
Q0251	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0253	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0261-62	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0381-82	UN2212-X	DEGI.TRANSISTOR	
Q0384-87	DTC323TK-X	DIGI.TRANSISTOR	
Q0505-06	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0508-09	2SC2412K/QR/-X	SI.TRANSISTOR	
Q0510-11	UN2212-X	DEGI.TRANSISTOR	

IC

IC0001	UPC1851BCU	I.C(MONO-ANA)
IC0151	NJM2150AD	I.C(MONO-ANA)
IC0201	TC90A53N	I.C(DIGI-MOS)
IC0371	BA15218N	I.C(MONO-ANA)
IC0381	TC4066BP/N/	I.C(DIGI-MOS)
IC0501	BA7644AN	I.C(MONO-ANA)
IC0504	TC4066BP/N/	I.C(DIGI-MOS)

OTHERS

J0501	QNZ0454-001	PIN JACK				
J0502-03	QNN0348-001	PIN JACK				
W0060	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0105	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0116	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0165	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0200-01	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0254	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0273	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0275	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0277-78	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0284-86	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0290	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0292	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0302	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0304-06	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0309	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
W0316	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
Y0501-04	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
Y0551-52	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	

REMOTE CONTROL UNIT PARTS LIST (RM-C303G-1A)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR52EC1286C	BATTERY COVER		

DIFFERENCE PARTS LIST BETWEEN AV-36D202/AR, AV-36D202/AH, AV-36D202/AM AND AV-36D202/AY

The picture tubes used for the models AV-36D202/AR, AV-36D202/AH, AV-36D202/AM and AV-36D202/AY are difference. The electrical parts are also difference according to the PICTURE TUBE.
In the DIFFERENCE PARTS LIST BETWEEN AV-36D202/AR, AV-36D202/AH, AV-36D202/AM and AV-36D202/AY, only difference points between these models are written. For other parts not mentioned in the list, please refer to the PARTS LIST(P42 – P47) for the AV-36D202/AR.

DIFFERENCE PARTS LIST

MAIN PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D202/AR	AV-36D202/AH	AV-36D202/AM	AV-36D202/AY	
		SGC-1016A-M2	**SGC-1017A-M2**	**SGC-1018A-M2**	**SGC-1015A-M2**	**MAIN PWB**
	R1427	QRT029J-1R5 (1.5Ω, 2W, J)	QRT029J-1R0 (1Ω, 2W, J)	QRT029J-1R5 (1.5Ω, 2W, J)	←	FM R
	R1504	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
	R1505	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
⚠	C1510	QFZ0196-532 (5300pF,1.5kVH,±3%)	←	QFZ0196-582 (5800pF,1.5kVH,±3%)	QFZ0196-532 (5300pF,1.5kVH,±3%)	MPP CAP.
⚠	C1515	QFZ0197-624 (0.62µF, 250V, J)	QFZ0197-564 (0.56µF, 250V, J)	QFZ0197-654 (0.65µF, 250V, J)	QFZ0197-624 (0.62µF, 250V, J)	MPP CAP.
⚠	L1511	QQR1027-003	←	CE41029-00A	←	LINE FILTER
⚠	L1521	QQLZ018-560 (56µH)	←	QQLZ026-540 (54µH)	QQLZ026-600 (60µH)	HEATER CHOKE
⚠	F1901	QMF51U1-5R0-J8	←	QMF51U1-5R0-J5	QMF51U1-5R0-J8	FUSE
⚠	TH1902	—	—	QAD0132-3R0	—	W-PTC

CRT SOCKET PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D202/AR	AV-36D202/AH	AV-36D202/AM	AV-36D202/AY	
		SGC-3007A-M2	**SGC-3008A-M2**	**SGC-3006A-M2**	**SGC-3010A-M2**	**CRT SOCKET PWB**

PRINTED WIRING BOARD PARTS LIST (AV-36D302/AR)

MAIN PW BOARD ASS'Y(SGC-1016A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		Parts list is the same as for AV-36D202/AR. Refer to pages 42 – 45.			

FRONT AV INPUT PW BOARD ASS'Y(SGC-8601A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		Parts list is the same as for AV-36D202/AR. Refer to page 46.			

CRT SOCKET PW BOARD ASS'Y(SGC-3007A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		Parts list is the same as for AV-36D202/AR. Refer to page 45.			

AV SELECTOR PW BOARD ASS'Y(SGC0S002A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		Parts list is the same as for AV-36D202/AR. Refer to pages 46 – 47.			

FRONT CONTROL PW BOARD ASS'Y(SGC-8501A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
		Parts list is the same as for AV-36D202/AR. Refer to pages 45 – 46.			

REMOTE CONTROL UNIT PARTS LIST(RM-C303G-1A)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR52EC1286C	BATTERY COVER		

DIFFERENCE PARTS LIST BETWEEN AV-36D302/AR, AV-36D302/AH, AV-36D302/AM AND AV-36D302/AY

The picture tubes used for the models AV-36D302/AR, AV-36D302/AH, AV-36D302/AM and AV-36D302/AY are difference. The electrical parts are also difference according to the PICTURE TUBE.
In the DIFFERENCE PARTS LIST BETWEEN AV-36D302/AR, AV-36D302/AH, AV-36D302/AM and AV-36D302/AY, only difference points between these models are written. For other parts not mentioned in the list, please refer to the PARTS LIST(P42 – P47) for the AV-36D202/AR.

DIFFERENCE PARTS LIST

MAIN PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D302/AR	AV-36D302/AH	AV-36D302/AM	AV-36D302/AY	
		SGC-1016A-M2	**SGC-1017A-M2**	**SGC-1018A-M2**	**SGC-1015A-M2**	**MAIN PWB**
	R1427	QRT029J-1R5 (1.5Ω, 2W, J)	QRT029J-1R0 (1Ω, 2W, J)	QRT029J-1R5 (1.5Ω, 2W, J)	←	FM R
	R1504	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
	R1505	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
⚠	C1510	QFZ0196-532 (5300pF,1.5kVH,±3%)	←	QFZ0196-582 (5800pF,1.5kVH,±3%)	QFZ0196-532 (5300pF,1.5kVH,±3%)	MPP CAP.
⚠	C1515	QFZ0197-624 (0.62μF, 250V, J)	QFZ0197-564 (0.56μF, 250V, J)	QFZ0197-654 (0.65μF, 250V, J)	QFZ0197-624 (0.62μF, 250V, J)	MPP CAP.
⚠	L1511	QQR1027-003	←	CE41029-00A	←	LINE FILTER
⚠	L1521	QQLZ018-560 (56μH)	←	QQLZ026-540 (54μH)	QQLZ026-600 (60μH)	HEATER CHOKE
⚠	F1901	QMF51U1-5R0-J8	←	QMF51U1-5R0-J5	QMF51U1-5R0-J8	FUSE
⚠	TH1902	—	—	QAD0132-3R0	—	W-PTC

CRT SOCKET PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D202/AR	AV-36D202/AH	AV-36D202/AM	AV-36D202/AY	
		SGC-3007A-M2	**SGC-3008A-M2**	**SGC-3006A-M2**	**SGC-3010A-M2**	**CRT SOCKET PWB**

PRINTED WIRING BOARD PARTS LIST (AV-36D502/AR)

MAIN PW BOARD ASS'Y(SGC-1008A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description			Local
	R1001	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1002	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1003-04	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1011	NRSA63J-820X	MG R	82Ω	1/16W	J	
	R1012	NRSA63J-182X	MG R	1.8kΩ	1/16W	J	
	R1013	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1014	QRE121J-101Y	C R	100Ω	1/2W	J	
	R1015	NRSA63J-180X	MG R	18Ω	1/16W	J	
	R1016	NRSA63J-270X	MG R	27Ω	1/16W	J	
	R1018	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1020	NRSA63J-332X	MG R	3.3kΩ	1/16W	J	
	R1021	NRSA63J-123X	MG R	12kΩ	1/16W	J	
	R1022	NRSA63J-151X	MG R	150Ω	1/16W	J	
	R1023	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1024	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1025	NRSA63J-561X	MG R	560Ω	1/16W	J	
	R1026	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1028	NRSA63J-821X	MG R	820Ω	1/16W	J	
	R1038	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1041	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1042-43	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1047	NRSA63J-153X	MG R	15kΩ	1/16W	J	
	R1048	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1101-02	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1111	NRSA63J-105X	MG R	1MΩ	1/16W	J	
	R1131	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1134	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1135-39	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1140	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1201	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1231	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1237	NRSA63J-392X	MG R	3.9kΩ	1/16W	J	
	R1238	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1241	NRSA63J-332X	MG R	3.3kΩ	1/16W	J	
	R1243	NRSA63J-152X	MG R	1.5kΩ	1/16W	J	
	R1281	NRSA63J-182X	MG R	1.8kΩ	1/16W	J	
	R1282	NRSA63J-392X	MG R	3.9kΩ	1/16W	J	
	R1283	NRSA63J-681X	MG R	680Ω	1/16W	J	
	R1286	NRSA63J-472X	MG R	4.7kΩ	1/16W	J	
	R1287	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1288	NRSA02J-471X	MG R	470Ω	1/10W	J	
	R1289	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1290	NRSA02J-561X	MG R	560Ω	1/10W	J	
	R1292	NRSA63J-124X	MG R	120kΩ	1/16W	J	
	R1293	NRSA63J-224X	MG R	220kΩ	1/16W	J	
	R1294	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1295	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1301-03	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1304-06	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1354-55	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1356	NRSA63J-123X	MG R	12kΩ	1/16W	J	
	R1359	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1360	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1421	NRSA63J-822X	MG R	8.2kΩ	1/16W	J	
	R1423-24	NRSA63J-393X	MG R	39kΩ	1/16W	J	
	R1426	NRSA63J-183X	MG R	18kΩ	1/16W	J	
	R1427	QRT029J-1R5	MF R	1.5Ω	2W	J	
	R1429	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1430	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1431	NRSA63J-152X	MG R	1.5kΩ	1/16W	J	
	R1432	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1433	NRSA63J-681X	MG R	680Ω	1/16W	J	
	R1434	QRL029J-181	OM R	180Ω	2W	J	
	R1435	QRE121J-102Y	C R	1kΩ	1/2W	J	
	R1441-42	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1444	NRSA63J-183X	MG R	18kΩ	1/16W	J	
	R1445	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1501	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1502	NRSA63J-271X	MG R	270Ω	1/16W	J	
	R1503	QRE121J-103Y	C R	10kΩ	1/2W	J	
	R1504-05	QRL039J-102	OM R	1kΩ	3W	J	
	R1511	QRE121J-220Y	C R	22Ω	1/2W	J	
	R1512	QRE121J-681Y	C R	680Ω	1/2W	J	
⚠	R1523	QRJ146J-333X	C R	33kΩ	1/4W	J	
⚠	R1525	QRZ9011-470	F R	47Ω	1/2W	J	
	R1526	QRE121J-272Y	C R	2.7kΩ	1/2W	J	
	R1527-28	QRE121J-154Y	C R	150kΩ	1/2W	J	
	R1529	NRSA63J-331X	MG R	330Ω	1/16W	J	
⚠	R1531	QRJ146J-391X	C R	390Ω	1/4W	J	
	R1532	NRSA63J-273X	MG R	27kΩ	1/16W	J	
	R1533-34	NRSA63J-123X	MG R	12kΩ	1/16W	J	
⚠	R1535	NRVA02D-222X	MF R	2.2kΩ	1/10W	D	
⚠	R1537	NRVA02D-752X	MF R	7500pF	1/10W	D	
	R1538	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1543	QRE121J-122Y	C R	1.2kΩ	1/2W	J	
	R1544	QRE121J-392Y	C R	3.9kΩ	1/2W	J	
	R1545	QRE121J-822Y	C R	8.2kΩ	1/2W	J	
	R1546	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1547	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1548	QRE121J-152Y	C R	1.5kΩ	1/2W	J	
	R1553	QRL039J-180	OM R	18Ω	3W	J	
	R1601-03	NRSA63J-750X	MG R	75Ω	1/16W	J	
	R1610-12	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1621	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1622	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1623	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1624	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1626-27	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1631	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1632	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1634	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1700-02	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1704-05	NRSA63J-472X	MG R	4.7kΩ	1/16W	J	
	R1706-07	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1708-09	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1714	NRSA63J-823X	MG R	82kΩ	1/16W	J	
	R1715	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1721-22	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1724	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1726	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1728	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1729	NRSA63J-223X	MG R	22kΩ	1/16W	J	
	R1731-32	NRSA63J-101X	MG R	100Ω	1/16W	J	
	R1733-34	NRSA63J-562X	MG R	5.6kΩ	1/16W	J	
	R1737	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1738	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1739	NRSA63J-272X	MG R	2.7kΩ	1/16W	J	
	R1740	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1741	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1742-43	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1745	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1749-51	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1752	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1753	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1754	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1755	NRSA63J-153X	MG R	15kΩ	1/16W	J	
	R1756	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1763	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1764-68	NRSA63J-221X	MG R	220Ω	1/16W	J	
	R1769	NRSA63J-682X	MG R	6.8kΩ	1/16W	J	
	R1772	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1775	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1776	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1793-95	NRSA63J-331X	MG R	330Ω	1/16W	J	
	R1798-99	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1800	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1806	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1807	NRSA63J-222X	MG R	2.2kΩ	1/16W	J	
	R1810	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1811	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1812	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1814	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1815	NRSA63J-154X	MG R	150kΩ	1/16W	J	
	R1816	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	

⚠	Symbol No.	Part No.	Part Name	Description	Local

RESISTOR

	R1817	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1818	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J	
	R1821	NRSA63J-104X	MG R	100kΩ	1/16W	J	
	R1822	NRSA63J-124X	MG R	120kΩ	1/16W	J	
	R1824	NRSA63J-103X	MG R	10kΩ	1/16W	J	
	R1827	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1856	QRX039J-6R8	MF R	6.8Ω	3W	J	
⚠	R1857	QRL029J-270	OM R	27Ω	2W	J	
⚠	R1858	QRL029J-180	OM R	18Ω	2W	J	
⚠	R1901	QRF074K-R47	UNF R	0.47Ω	7W	K	
⚠	R1909	QRG01GJ-470	OM R	47Ω	1W	J	
	R1911	QRE121J-223Y	C R	22kΩ	1/2W	J	
	R1912-13	QRT029J-R22	MF R	0.22Ω	2W	J	
	R1914	QRK126J-681X	C R	680Ω	1/2W	J	
	R1915	QRE121J-6R8Y	C R	6.8Ω	1/2W	J	
⚠	R1917	QRK126J-332X	C R	3.3kΩ	1/2W	J	
	R1918	QRE121J-222Y	C R	2.2kΩ	1/2W	J	
	R1919	QRE121J-684Y	C R	680kΩ	1/2W	J	
	R1924	QRE121J-222Y	C R	2.2kΩ	1/2W	J	
	R1930	QRE121J-223Y	C R	22kΩ	1/2W	J	
	R1939	QRT039J-2R2	MF R	2.2Ω	3W	J	
	R1940	QRE121J-181Y	C R	180Ω	1/2W	J	
	R1941	QRL029J-183	OM R	18kΩ	2W	J	
	R1951	NRSA63J-473X	MG R	47kΩ	1/16W	J	
	R1952	NRSA63J-102X	MG R	1kΩ	1/16W	J	
	R1953	QRE121J-820Y	C R	82Ω	1/2W	J	
	R1973	QRE121J-272Y	C R	2.7kΩ	1/2W	J	
	R1975	QRE121J-223Y	C R	22kΩ	1/2W	J	
	R1977	QRE121J-473Y	C R	47kΩ	1/2W	J	
	R1978	NRSA63J-333X	MG R	33kΩ	1/16W	J	
	R1979	QRT029J-1R2	MF R	1.2Ω	2W	J	
	R1980	QRT029J-1R2	MF R	1.2Ω	2W	J	
⚠	R1998	QRZ9041-275	C R	2.7MΩ	1/2W	K	
	R1999	QRE121J-121Y	C R	120Ω	1/2W	J	

CAPACITOR

C1001	QETN1HM-475Z	E CAP.	4.7µF	50V	M	
C1002	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1003	QETN1CM-108Z	E CAP.	1000µF	16V	M	
C1011-12	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1013	NDC31HJ-151X	C CAP.	150pF	50V	J	
C1014	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1015-16	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1021	QFV71HJ-824Z	MF CAP.	0.82µF	50V	J	
C1023	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1024	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1025	NCB31HK-102X	C CAP.	1000pF	50V	K	
C1026	QETN1HM-474Z	E CAP.	0.47µF	50V	M	
C1027	NCB21HK-104X	C CAP.	0.1µF	50V	K	
C1028	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1030	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1034	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1036	QETN1AM-477Z	E CAP.	470µF	10V	M	
C1037	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1038	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1041-42	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1043-44	NDC31HJ-470X	C CAP.	47pF	50V	J	
C1045	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1046	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1047	NDC21HJ-330X	C CAP.	33pF	50V	J	
C1048	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1111	QETN0JM-228Z	E CAP.	2200µF	6.3V	M	
C1112	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1113	QETN1HM-474Z	E CAP.	0.47µF	50V	M	
C1114	QETN1HM-105Z	E CAP.	1µF	50V	M	
C1115	QFV71HJ-104Z	MF CAP.	0.1µF	50V	J	
C1116	NCB31EK-104X	C CAP.	0.1µF	25V	K	
C1134	NDC31HJ-470X	C CAP.	47pF	50V	J	
C1135	NDC31HJ-330X	C CAP.	33pF	50V	J	
C1136	QENC1CM-106Z	E CAP.	10µF	16V	M	
C1151	NCB31HK-103X	C CAP.	0.01µF	50V	K	

⚠	Symbol No.	Part No.	Part Name	Description	Local

CAPACITOR

C1201	NDC31HJ-100X	C CAP.	10pF	50V	J	
C1202	QETN1HM-224Z	E CAP.	0.22µF	50V	M	
C1203	NCB31HK-222X	C CAP.	2200pF	50V	K	
C1233	NDC31HJ-560X	C CAP.	56pF	50V	J	
C1237	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1281	QFV71HJ-474Z	MF CAP.	0.47µF	50V	J	
C1282	QETN1CM-227Z	E CAP.	220µF	16V	M	
C1283	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1284	QETN1HM-225Z	E CAP.	2.2µF	50V	M	
C1285	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1286	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1287	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1288	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1352	QETN1CM-336Z	E CAP.	33µF	16V	M	
C1354	QFV71HJ-154Z	MF CAP.	0.15µF	50V	J	
C1391	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1392	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1393-95	NCB31EK-104X	C CAP.	0.1µF	25V	K	
C1421	NCB21HK-102X	C CAP.	1000pF	50V	K	
C1422	QFLC1HJ-103Z	M CAP.	0.01µF	50V	J	
C1424	QETN1VM-107Z	E CAP.	100µF	35V	M	
C1425	QETN1VM-477Z	E CAP.	470µF	35V	M	
C1427	QETN1HM-105Z	E CAP.	1µF	50V	M	
C1428	QETM1EM-228	E CAP.	2200µF	25V	M	
C1430	NCB21CK-474X	C CAP.	0.47µF	16V	K	
C1431	QFLC2AK-563Z	M CAP.	0.056µF	100V	K	
C1433	QETN1EM-476Z	E CAP.	47µF	25V	M	
C1434	NDC21HJ-100X	C CAP.	10pF	50V	J	
C1435	NCB21HK-183X	C CAP.	0.018µF	50V	K	
C1501	QCB32HK-151Z	C CAP.	150pF	500V	K	
C1502	QCB32HK-331Z	C CAP.	330pF	500V	K	
C1503	QEHR2CM-105Z	E CAP.	1µF	160V	M	
C1504	QEZ0203-107	E CAP.	100µF	160V	M	
C1507-08	QEM61HK-475Z	E CAP.	4.7µF	50V	K	
⚠ C1510	QFZ0196-532	MPP CAP.	5300pF	1.5kVH	±3%	
⚠ C1513	QFZ0198-133	MPP CAP.	0.013µF	1.5kVH	±3%	
⚠ C1514	QFP32GJ-183	PP CAP.	0.018µF	400V	J	
⚠ C1515	QFZ0197-624	MPP CAP.	0.62µF	250V	J	
C1516	QCB32HK-561Z	C CAP.	560pF	500V	K	
C1521	QETN2EM-106Z	E CAP.	10µF	250V	M	
C1523	QEHR1VM-108Z	E CAP.	1000µF	35V	M	
C1525	QETN1VM-107Z	E CAP.	100µF	35V	M	
C1526	QFV21HJ-824Z	MF CAP.	0.82µF	50V	J	
C1527	QFLC2AJ-103Z	M CAP.	0.01µF	100V	J	
C1531	QCB32HK-102Z	C CAP.	1000pF	500V	K	
C1533	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1601-03	QETN1EM-476Z	E CAP.	47µF	25V	M	
C1609-11	QFV71HJ-104Z	MF CAP.	0.1µF	50V	J	
C1621	NCB31HK-102X	C CAP.	1000pF	50V	K	
C1622	NCF21CZ-105X	C CAP.	1µF	16V	Z	
C1623	NCB31HK-102X	C CAP.	1000pF	50V	K	
C1624	NCF21CZ-105X	C CAP.	1µF	16V	Z	
C1625	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1626	QETN1EM-108Z	E CAP.	1000µF	25V	M	
C1627	QETN1HM-474Z	E CAP.	0.47µF	50V	M	
C1628-29	QETN1EM-108Z	E CAP.	1000µF	25V	M	
C1634	QETN1HM-106Z	E CAP.	10µF	50V	M	
C1700	NCB31HK-102X	C CAP.	1000pF	50V	K	
C1702	NCB31EK-104X	C CAP.	0.1µF	25V	K	
C1703	NDC31HJ-181X	C CAP.	180pF	50V	J	
C1706	QETN1HM-105Z	E CAP.	1µF	50V	M	
C1707	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1710	NCB31CK-683X	C CAP.	0.068µF	16V	K	
C1721	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1722-23	NDC31HJ-390X	C CAP.	39pF	50V	J	
C1724	NDC31HJ-471X	C CAP.	470pF	50V	J	
C1726	NDC31HJ-561X	C CAP.	560pF	50V	J	
C1728	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1800	QETN1EM-107Z	E CAP.	100µF	25V	M	
C1801	NCB31EK-104X	C CAP.	0.1µF	25V	K	
C1802	QETN1CM-107Z	E CAP.	100µF	16V	M	
C1804	NCB31HK-103X	C CAP.	0.01µF	50V	K	
C1807	QETN1HM-106Z	E CAP.	10µF	50V	M	

⚠	Symbol No.	Part No.	Part Name	Description		Local
	CAPACITOR					
	C1810	QENC1HM-474Z	BP E CAP.	0.47µF	50V	M
	C1811	QENC1HM-105Z	E CAP.	1µF	50V	M
	C1812-13	NCB31HK-102X	C CAP.	1000pF	50V	K
	C1816	NCB31HK-153X	C CAP.	0.015µF	50V	K
	C1853-54	QETN1CM-107Z	E CAP.	100µF	16V	M
	C1856-57	QETN1CM-107Z	E CAP.	100µF	16V	M
⚠	C1901	QFZ9067-104	MM CAP.	0.1µF		
⚠	C1902	QFZ9067-473	MM CAP.	0.047µF		
⚠	C1904-06	QCZ9054-102	C CAP.	1000pF	AC250V	Z
⚠	C1907	QEZ0169-477	E.CAPACITOR			
⚠	C1908	QCZ9054-102	C CAP.	1000pF	AC250V	Z
	C1912	QCZ0340-222	C CAP.	2200pF		
	C1913	QFLC1HJ-471Z	M CAP.	470pF	50V	J
	C1914	QETN1HM-107Z	E CAP.	100µF	50V	M
	C1916	NDC31HJ-331X	C CAP.	330pF	50V	J
	C1917	NCB31HK-182X	C CAP.	1800pF	50V	K
	C1918	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C1919	QFP32GJ-103	PP CAP.	0.01µF	400V	J
	C1931	QEZ0203-107	E CAP.	100µF	160V	M
	C1933	QETN1CM-108Z	E CAP.	1000µF	16V	M
	C1934	NDC31HJ-221X	C CAP.	220pF	50V	J
	C1935	QETN1EM-108Z	E CAP.	1000µF	25V	M
	C1937	QCZ0340-102	C CAP.	1000pF		
	C1938	QETN1CM-477Z	E CAP.	470µF	16V	M
	C1939	QCB32HK-152Z	C CAP.	1500pF	500V	K
	C1941	QCB32HK-102Z	C CAP.	1000pF	500V	K
	C1942	QEHR1HM-105Z	E CAP.	1µF	50V	M
	C1951	QETN1EM-477Z	E CAP.	470µF	25V	M
	C1952	QETN1CM-227Z	E CAP.	220µF	16V	M
	C1971	QETN1CM-107Z	E CAP.	100µF	16V	M
	C1972	QETN1EM-476Z	E CAP.	47µF	25V	M
	C1973	QETN1HM-106Z	E CAP.	10µF	50V	M
⚠	C1997	QCZ9052-102	C CAP.	1000pF	AC125V	K
⚠	C1998-99	QCZ9074-103	C CAP.	0.01µF	AC125V	M
	TRANSFORMER					
	T1501	CE42034-002	H.DRIVE TRANSF.			
⚠	T1502	QQH0100-001	FBT			
⚠	T1921	QQS0118-001	SW TRANSF			
⚠	T1951	QQT0355-001	POWER TRANSF			
	COIL					
⚠	L1001	QQL244K-560Z	COIL	56µH		K
	L1012	QQLZ014-R39	COIL	0.39µH		
	L1021	QRN143J-0R0X	C R	0.0Ω	1/4W	J
	L1022	QQL244K-220Z	COIL	22µH		K
	L1027	QRN143J-0R0X	C R	0.0Ω	1/4W	J
	L1041	QRN143J-0R0X	C R	0.0Ω	1/4W	J
	L1042	QQL244K-220Z	COIL	22µH		K
	L1101	QQL244K-470Z	COIL	47µH		K
	L1232	QQL244K-560Z	COIL	56µH		K
⚠	L1511	QQR1027-003	LINE FILTER			
	L1512	QQLZ027-821	CHOKE COIL	820µH		
⚠	L1521	QQLZ018-560	HEATER CHOKE	56µH		
	L1700	QQL244K-4R7Z	COIL	4.7µH		K
	L1810	QQL244J-100Z	COIL	10µH		J
	L1931	QQL26AK-470Z	COIL	47µH		K
	L1933	QQL26AK-470Z	COIL	47µH		K
	L1940	QQR0582-001Z	BEADS CORE			
	DIODE					
	D1010	MTZJ9.1C-T2	ZENER DIODE			
	D1101-02	MTZJ5.6B-T2	ZENER DIODE			
	D1305-10	1SS133-T2	SI.DIODE			
	D1352	MTZJ9.1C-T2	ZENER DIODE			
	D1353	1SS133-T2	SI.DIODE			
	D1421	1N4003-T2	SI.DIODE			
	D1422	MTZJ75-T2	ZENER DIODE			
	D1424	1SS133-T2	SI.DIODE			
	D1501	RH3G-F1	SI.DIODE			
⚠	D1502	RU3AM-LFC4	SI.DIODE			
	D1521	RH1S-T3	SI.DIODE			

⚠	Symbol No.	Part No.	Part Name	Description	Local
	DIODE				
⚠	D1523	RGP10J-5025-T3	SI.DIODE		
	D1525-26	1SS81-T5	SI.DIODE		
	D1527	1SR124-400A-T2	SI.DIODE		
	D1529	MTZJ5.1C-T2	ZENER DIODE		
⚠	D1531	MA4068N/Z1/-T2	ZENER DIODE		
	D1535	1SS133-T2	SI.DIODE		
	D1537	1SR35-400A-T2	SI.DIODE		
	D1601	MTZJ9.1C-T2	ZENER DIODE		
	D1603	MTZJ9.1C-T2	ZENER DIODE		
	D1606	MTZJ9.1C-T2	ZENER DIODE		
	D1700	MTZJ5.6B-T2	ZENER DIODE		
	D1701	1SS133-T2	SI.DIODE		
	D1703-04	MTZJ5.6B-T2	ZENER DIODE		
	D1716	1SS133-T2	SI.DIODE		
	D1721-22	1SS133-T2	SI.DIODE		
	D1723-24	MTZJ5.6B-T2	ZENER DIODE		
	D1801	1SS133-T2	SI.DIODE		
	D1810	MTZJ5.6B-T2	ZENER DIODE		
	D1811	1SS133-T2	SI.DIODE		
⚠	D1901	GSIB460-S1	BRIDGE DIODE		
	D1910	MA700A-T2	SI.DIODE		
⚠	D1911-13	RGP10J-5025-T3	SI.DIODE		
	D1914	1SS133-T2	SI.DIODE		
	D1915	SARS01-T2	SI.DIODE		
	D1917	MTZJ30A-T2	ZENER DIODE		
	D1918	MTZJ5.1C-T2	ZENER DIODE		
	D1920	1SS133-T2	SI.DIODE		
	D1931	RU30A-F1	SI.DIODE		
	D1933	RU3YX-LFC4	SI.DIODE		
	D1935	RU3YX-LFC4	SI.DIODE		
	D1941	MTZJ33A-T2	ZENER DIODE		
	D1945	MTZJ9.1B-T2	ZENER DIODE		
	D1952-53	1SS133-T2	SI.DIODE		
	D1954-57	1SR35-400A-T2	SI.DIODE		
	D1972	MTZJ15C-T2	ZENER DIODE		
	D1973	1SS133-T2	SI.DIODE		
	TRANSISTOR				
	Q1011	2SC5083/L-P/-T	SI.TRANSISTOR		
	Q1021	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1024	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1025	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1041	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1131-33	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1150	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1232-33	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1352	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1431	UN2212-X	DEGI.TRANSISTOR		
	Q1501	2SC4212/Z1/	SI.TRANSISTOR		
⚠	Q1511	2SD2645-YD	TRANSISTOR		
	Q1531	2SC2785/JH/-T	SI.TRANSISTOR		
	Q1532	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1541-42	2SA1037AK/QR/-X	SI.TRANSISTOR		
⚠	Q1543	2SD1408/OY/-LB	SI.TRANSISTOR		
	Q1621	UN2212-X	DEGI.TRANSISTOR		
	Q1622	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1623	UN2212-X	DEGI.TRANSISTOR		
	Q1700	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1701	2SA1037AK/QR/-X	SI.TRANSISTOR		
	Q1706	2SC2412K/QR/-X	SI.TRANSISTOR		
	Q1711	UN2212-X	DEGI.TRANSISTOR		
	Q1810	UN2213-X	DIGI TRANSISTOR		
	Q1951	2SD1383K/AB/-X	SI.TRANSISTOR		
	Q1971	2SA1208/ST/Z1-T	SI.TRANSISTOR		
	IC				
	IC1101	TB1253AN	I.C(M)		
⚠	IC1421	LA7841	I.C(MONO-ANA)		
⚠	IC1621	LA4485	I.C(MONO-ANA)		
	IC1701	MN1876478JW	I.C(MICRO-COMP)		
	IC1702	AT24C04-GC1	I.C(MEMORY-OTH)	(SERVICE)	

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC1703	L78LR05E-MA	I.C(MONO-ANA)		
	IC1852	AN7809F	I.C(MONO-ANA)		
	IC1853	AN7805F	I.C(MONO-ANA)		
⚠	IC1911	STR-G6624/F8	I.C(HYBRID)		
⚠	IC1921	SE135N	I.C(HYBRID)		
	OTHERS				
	CF1001	QAX0349-001	CERAMIC FILTER		
	CF1021	QAX0639-001Z	CERAMIC FILTER		
	CF1041	QAX0642-001Z	CERAMIC FILTER		
⚠	CN10PW	QMPD390-200-JS	POWER CORD		
⚠	CP1932	ICP-N70-T	I.C.PROTECT		
⚠	CP1936	ICP-N70-T	I.C.PROTECT		
⚠	F1901	QMF51U1-5R0-J8	FUSE		
⚠	F1905	QMFZ034-5R0Z-J1	FUSE		
⚠	FC1901	CEMG002-001Z	FUSE CLIP		
⚠	FR1521	QRK129J-150	C R	15Ω 1/2W	J
⚠	FR1523	QRX029J-3R3	MF R	3.3Ω 2W	J
⚠	FR1525	QRZ9017-4R7	F R	4.7Ω 1/4W	J
	J1601	QNN0349-002	PIN JACK		
	J1810	QNS0001-001	JACK		
	K1401	QQR0621-002Z	BEADS CORE		
	K1912	QQR0582-001Z	BEADS CORE		
	K1916-18	QQR0582-001Z	BEADS CORE		
	K1931-33	QQR0582-001Z	BEADS CORE		
	K1935	QQR0582-001Z	BEADS CORE		
	K1941	QQR0621-002Z	BEADS CORE		
	LC1601-03	QQR1199-001	FILTER		
⚠	LF1901	QQR0527-003	LINE FILTER		
⚠	PC1921	TLP421F/D4-GR/	I.C(PH.COUPLER)		
⚠	RY1951	QSK0085-001	RELAY		
	S1421	QSL4A13-C02	LEVER SWITCH		
	SF1011	QAX0324-002	SAW FILTER		
⚠	TH1901	QAD0132-3R0	W-PTC		
⚠	TU1001	QAU0247-001	TUNER		
⚠	VA1901	ERZV10V621CS	VARISTOR		
	W1106	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1213	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1265	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1311	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1331	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1442-43	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1478	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1548-49	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1567	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1572	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1579	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1581	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1609	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1628	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1636	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1653	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1666	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1710	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1716	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1729	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1746	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1762	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1764	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1766	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1773	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1776	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1784	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1795	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1797-98	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1804	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	W1819-21	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	X1201	CE40668-001Z	CRYSTAL		
	X1700	QAX0307-001	CER.RESONATOR		
	Y1002-04	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	Y1800	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	Y1903	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J

CRT SOCKET PW BOARD ASS'Y(SGC-3007A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local

Parts list is the same as for AV-36D202/AR. Refer to page 45.

FRONT CONTROL PW BOARD ASS'Y(SGC-8501A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local

Parts list is the same as for AV-36D202/AR. Refer to pages 45 – 46.

FRONT AV INPUT PW BOARD ASS'Y(SGC-8601A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local

Parts list is the same as for AV-36D202/AR. Refer to page 46.

PIP PW BOARD ASS'Y(SGC0P001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description	Local
	RESISTOR				
	R0001-02	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R0003-04	NRSA63J-101X	MG R	100Ω 1/16W	J
	R0005	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0008	NRSA63J-820X	MG R	82Ω 1/16W	J
	R0101	NRSA63J-562X	MG R	5.6kΩ 1/16W	J
	R0102	NRSA63J-182X	MG R	1.8kΩ 1/16W	J
	R0103	QRE121J-101Y	C R	100Ω 1/2W	J
	R0104	NRSA63J-180X	MG R	18Ω 1/16W	J
	R0105	NRSA63J-270X	MG R	27Ω 1/16W	J
	R0111	NRSA63J-224X	MG R	220kΩ 1/16W	J
	R0113	NRSA63J-101X	MG R	100Ω 1/16W	J
	R0114	NRSA63J-331X	MG R	330Ω 1/16W	J
	R0115	NRSA63J-101X	MG R	100Ω 1/16W	J
	R0116	NRSA63J-680X	MG R	68Ω 1/16W	J
	R0117	NRSA63J-273X	MG R	27kΩ 1/16W	J
	R0118	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0120	NRSA63J-273X	MG R	27kΩ 1/16W	J
	R0121	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R0131	NRSA63J-102X	MG R	1kΩ 1/16W	J
	R0132	NRSA63J-331X	MG R	330Ω 1/16W	J
	R0133	NRSA63J-821X	MG R	820Ω 1/16W	J
	R0134	NRSA63J-561X	MG R	560Ω 1/16W	J
	R0135	NRSA63J-102X	MG R	1kΩ 1/16W	J
	R0161	NRSA63J-332X	MG R	3.3kΩ 1/16W	J
	R0163	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0171	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R0301	NRSA63J-473X	MG R	47kΩ 1/16W	J
	R0303	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	R0304	NRSA63J-473X	MG R	47kΩ 1/16W	J
	R0306	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	R0307	NRSA63J-471X	MG R	470Ω 1/16W	J
	R0309	NRSA63J-102X	MG R	1kΩ 1/16W	J
	R0311	NRSA63J-101X	MG R	100Ω 1/16W	J
	R0313	NRSA63J-101X	MG R	100Ω 1/16W	J
	R0314	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0316	NRSA63J-331X	MG R	330Ω 1/16W	J
	R0317	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0331	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0337	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0343	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J

AV SELECTOR PW BOARD ASS'Y(SGC0S001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description		Local
	CAPACITOR					
	C0001	QETN1HM-475Z	E CAP.	4.7µF	50V	M
	C0003	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0004	QETN1CM-107Z	E CAP.	100µF	16V	M
	C0006	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0010-11	NDC31HJ-100X	C CAP.	10pF	50V	J
	C0101-02	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0104-05	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0106	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0107	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0113-14	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0116	QFV71HJ-224Z	MF CAP.	0.22µF	50V	J
	C0117	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0118	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0119	NDC31HJ-681X	C CAP.	680pF	50V	J
	C0120	QETN1HM-474Z	E CAP.	0.47µF	50V	M
	C0124	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0131	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0132	NDC31HJ-181X	C CAP.	180pF	50V	J
	C0161	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0168	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0301-02	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	C0312-13	NDC31HJ-270X	C CAP.	27pF	50V	J
	C0314	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0315	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0316-18	NCB31EK-104X	C CAP.	0.1µF	25V	K
	C0319	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0320	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0321	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0322	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0323	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0324-25	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0326	NCB31EK-104X	C CAP.	0.1µF	25V	K
	C0327	QETN1HM-225Z	E CAP.	2.2µF	50V	M
	C0328	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0329	QETN1HM-225Z	E CAP.	2.2µF	50V	M
	C0330	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0331	NCB31EK-104X	C CAP.	0.1µF	25V	K
	TRANSFORMER					
	T0111	QQR0907-001	I.F.TRANSFOMER			
	COIL					
	L0001	QQL244K-560Z	COIL	56µH		K
	L0101	QQLZ014-R22	COIL	0.22µH		
	L0113	QQL244K-4R7Z	COIL	4.7µH		K
	L0131	QQL244K-150Z	COIL	15µH		K
	L0302-04	QQL244J-6R8Z	COIL	6.8µH		J
	DIODE					
	D0301	1SS133-T2	SI.DIODE			
	TRANSISTOR					
	Q0101	2SC5083/L-P/-T	SI.TRANSISTOR			
	Q0131	2SA1037AK/QR/-X	SI.TRANSISTOR			
	Q0301-03	2SC2412K/QR/-X	SI.TRANSISTOR			
	IC					
	IC0101	M52342SP	I.C(MONO-ANA)			
	IC0301	SDA9389X-X	I.C(DIGI-MOS)			
	OTHERS					
	CF0131	QAX0639-001Z	CERAMIC FILTER			
	SF0101	CE42589-201	SAW FILTER			
⚠	TU0001	QAU0228-001	TUNER			
	W0090-92	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	X0301	QAX0521-001Z	CRYSTAL			
	Y0301-02	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	Y0331-33	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J

⚠	Symbol No.	Part No.	Part Name	Description		Local
	RESISTOR					
	R0081	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0082	NRSA63J-682X	MG R	6.8kΩ	1/16W	J
	R0083	NRSA63J-153X	MG R	15kΩ	1/16W	J
	R0084	NRSA63J-683X	MG R	68kΩ	1/16W	J
	R0085	NRSA63J-332X	MG R	3.3kΩ	1/16W	J
	R0086	NRSA63J-333X	MG R	33kΩ	1/16W	J
	R0087	NRSA63J-153X	MG R	15kΩ	1/16W	J
	R0088	NRSA63J-152X	MG R	1.5kΩ	1/16W	J
	R0089	NRSA63J-562X	MG R	5.6kΩ	1/16W	J
	R0090	NRSA63J-563X	MG R	56kΩ	1/16W	J
	R0151-54	NRSA63J-223X	MG R	22kΩ	1/16W	J
	R0155	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0157	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0159	NRSA63J-103X	MG R	10kΩ	1/16W	J
	R0210	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0211	NRSA63J-153X	MG R	15kΩ	1/16W	J
	R0212	NRSA63J-333X	MG R	33kΩ	1/16W	J
	R0213	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0214	NRSA63J-181X	MG R	180Ω	1/16W	J
	R0215	NRSA63J-152X	MG R	1.5kΩ	1/16W	J
	R0216	NRSA63J-182X	MG R	1.8kΩ	1/16W	J
	R0217	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0218	NRSA63J-222X	MG R	2.2kΩ	1/16W	J
	R0223	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0229	NRSA63J-473X	MG R	47kΩ	1/16W	J
	R0230	NRSA63J-223X	MG R	22kΩ	1/16W	J
	R0231	NRSA63J-101X	MG R	100Ω	1/16W	J
	R0232	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0233	NRSA63J-272X	MG R	2.7kΩ	1/16W	J
	R0234	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0235-36	NRSA63J-101X	MG R	100Ω	1/16W	J
	R0238	NRSA63J-822X	MG R	8.2kΩ	1/16W	J
	R0239	NRSA63J-123X	MG R	12kΩ	1/16W	J
	R0241	NRSA63J-821X	MG R	820Ω	1/16W	J
	R0242	NRSA63J-474X	MG R	470kΩ	1/16W	J
	R0243-44	NRSA63J-103X	MG R	10kΩ	1/16W	J
	R0251	NRSA63J-471X	MG R	470Ω	1/16W	J
	R0253	NRSA63J-681X	MG R	680Ω	1/16W	J
	R0254-55	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0258	NRSA63J-101X	MG R	100Ω	1/16W	J
	R0259	NRSA63J-222X	MG R	2.2kΩ	1/16W	J
	R0261	NRSA63J-101X	MG R	100Ω	1/16W	J
	R0262	NRSA63J-222X	MG R	2.2kΩ	1/16W	J
	R0263	NRSA63J-471X	MG R	470Ω	1/16W	J
	R0265	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0269-70	NRSA63J-0R0X	MG R	0.0Ω	1/16W	J
	R0331-34	NRSA63J-101X	MG R	100Ω	1/16W	J
	R0371-74	NRSA63J-103X	MG R	10kΩ	1/16W	J
	R0375-76	NRSA63J-333X	MG R	33kΩ	1/16W	J
	R0377-78	NRSA63J-472X	MG R	4.7kΩ	1/16W	J
	R0381	NRSA63J-562X	MG R	5.6kΩ	1/16W	J
	R0382	NRSA63J-223X	MG R	22kΩ	1/16W	J
	R0384-87	NRSA63J-223X	MG R	22kΩ	1/16W	J
	R0391-92	NRSA63J-221X	MG R	220Ω	1/16W	J
	R0393-94	NRSA63J-823X	MG R	82kΩ	1/16W	J
	R0395-96	NRSA63J-221X	MG R	220Ω	1/16W	J
	R0501	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0502-03	NRSA63J-820X	MG R	82Ω	1/16W	J
	R0504	NRSA63J-750X	MG R	75Ω	1/16W	J
	R0505	NRSA63J-823X	MG R	82kΩ	1/16W	J
	R0506	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0507	NRSA63J-823X	MG R	82kΩ	1/16W	J
	R0508-09	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0510-11	NRSA63J-820X	MG R	82Ω	1/16W	J
	R0512	NRSA63J-823X	MG R	82kΩ	1/16W	J
	R0513	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0514	NRSA63J-823X	MG R	82kΩ	1/16W	J
	R0515	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R0521-22	NRSA63J-152X	MG R	1.5kΩ	1/16W	J
	R0524-25	NRSA63J-182X	MG R	1.8kΩ	1/16W	J
	R0526	NRSA63J-103X	MG R	10kΩ	1/16W	J
	R0527	NRSA63J-273X	MG R	27kΩ	1/16W	J

⚠	Symbol No.	Part No.	Part Name	Description	Local

RESISTOR

	R0528	NRSA63J-183X	MG R	18kΩ 1/16W	J
	R0529	NRSA63J-562X	MG R	5.6kΩ 1/16W	J
	R0533-34	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R0536-37	NRSA63J-182X	MG R	1.8kΩ 1/16W	J
	R0538	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R0539	NRSA63J-273X	MG R	27kΩ 1/16W	J
	R0540	NRSA63J-183X	MG R	18kΩ 1/16W	J
	R0541	NRSA63J-562X	MG R	5.6kΩ 1/16W	J
	R0542	NRSA63J-821X	MG R	820Ω 1/16W	J
	R0543-44	NRSA63J-182X	MG R	1.8kΩ 1/16W	J
	R0546	NRSA63J-273X	MG R	27kΩ 1/16W	J
	R0547	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0548	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	R0549	NRSA63J-471X	MG R	470Ω 1/16W	J
	R0550	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0551	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R0552	NRSA63J-183X	MG R	18kΩ 1/16W	J
	R0553	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0554	NRSA63J-183X	MG R	18kΩ 1/16W	J
	R0555	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0558	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0559	NRSA63J-562X	MG R	5.6kΩ 1/16W	J
	R0560	NRSA63J-221X	MG R	220Ω 1/16W	J
	R0561	NRSA63J-222X	MG R	2.2kΩ 1/16W	J
	R0562	NRSA63J-471X	MG R	470Ω 1/16W	J
	R0565	NRSA63J-223X	MG R	22kΩ 1/16W	J
	R0566	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0567	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R0568	NRSA63J-183X	MG R	18kΩ 1/16W	J
	R0569	NRSA63J-103X	MG R	10kΩ 1/16W	J
	R0570	NRSA63J-152X	MG R	1.5kΩ 1/16W	J
	R0571	NRSA63J-0R0X	MG R	0.0Ω 1/16W	J
	R0572	NRSA63J-562X	MG R	5.6kΩ 1/16W	J
	R0574	NRSA63J-471X	MG R	470Ω 1/16W	J

CAPACITOR

	C0081	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C0082	QENC1HM-475Z	BP E CAP.	4.7µF	50V	M
	C0083	QENC1HM-105Z	E CAP.	1µF	50V	M
	C0084	QETN1HM-225Z	E CAP.	2.2µF	50V	M
	C0085	NCB21HK-473X	C CAP.	0.047µF	50V	K
	C0086	QETN1HM-474Z	E CAP.	0.47µF	50V	M
	C0087-88	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C0089	QETN1HM-335Z	E CAP.	3.3µF	50V	M
	C0090	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0091	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0092-93	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0094	QETN1HM-475Z	E CAP.	4.7µF	50V	M
	C0095	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0151-52	QENC1HM-105Z	E CAP.	1µF	50V	M
	C0153-54	NCB31HK-332X	C CAP.	3300pF	50V	K
	C0155-56	NCB21HK-333X	C CAP.	0.033µF	50V	K
	C0157-58	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0159	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0160	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C0205	QETN1HM-476Z	E CAP.	47µF	50V	M
	C0206	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0211	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0212	NDC31HJ-101X	C CAP.	100pF	50V	J
	C0213	NDC31HJ-470X	C CAP.	47pF	50V	J
	C0214	NDC31HJ-181X	C CAP.	180pF	50V	J
	C0215	QETN1HM-474Z	E CAP.	0.47µF	50V	M
	C0223	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0226	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0231-33	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0234	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0235	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0236	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0237	NCB31HK-472X	C CAP.	4700pF	50V	K
	C0238-39	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0241-45	NCB31HK-103X	C CAP.	0.01µF	50V	K

⚠	Symbol No.	Part No.	Part Name	Description	Local

CAPACITOR

	C0246	NDC31HJ-181X	C CAP.	180pF	50V	J
	C0247-49	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0251	QETN1HM-476Z	E CAP.	47µF	50V	M
	C0252	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0253	NRSA63J-222X	MG R	2.2kΩ	1/16W	J
	C0255	NDC31HJ-390X	C CAP.	39pF	50V	J
	C0261	NRSA63J-222X	MG R	2.2kΩ	1/16W	J
	C0263	NDC31HJ-150X	C CAP.	15pF	50V	J
	C0331	QETN1CM-107Z	E CAP.	100µF	16V	M
	C0332	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0333	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0334	NCB21HK-273X	C CAP.	0.027µF	50V	K
	C0335	QETN1HM-225Z	E CAP.	2.2µF	50V	M
	C0336	NCB31HK-222X	C CAP.	2200pF	50V	K
	C0337	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C0338	QETN1HM-225Z	E CAP.	2.2µF	50V	M
	C0339	NCB31HK-222X	C CAP.	2200pF	50V	K
	C0340	NCB21HK-104X	C CAP.	0.1µF	50V	K
	C0343	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0371-72	QENC1HM-105Z	E CAP.	1µF	50V	M
	C0373	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0391-92	QETN1HM-474Z	E CAP.	0.47µF	50V	M
	C0501-03	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0504-05	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0506	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0507	QENC1CM-106Z	E CAP.	10µF	16V	M
	C0508-09	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0510-11	QENC1CM-106Z	E CAP.	10µF	16V	M
	C0512-14	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0515-16	QETN1HM-105Z	E CAP.	1µF	50V	M
	C0518	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0519	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0520	QETN1HM-106Z	E CAP.	10µF	50V	M
	C0521-23	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0524	QENC1CM-106Z	E CAP.	10µF	16V	M
	C0527	NCB31HK-103X	C CAP.	0.01µF	50V	K
	C0528	QETN1EM-476Z	E CAP.	47µF	25V	M
	C0531-32	NCB31HK-103X	C CAP.	0.01µF	50V	K

COIL

	L0202	QQL244K-150Z	COIL	15µH	K
	L0211	QQL244K-4R7Z	COIL	4.7µH	K
	L0242-43	QQL244K-4R7Z	COIL	4.7µH	K
	L0261	QQL244K-150Z	COIL	15µH	K

DIODE

	D0391-92	MTZJ9.1C-T2	ZENER DIODE
	D0501-16	MTZJ9.1C-T2	ZENER DIODE

TRANSISTOR

	Q0211-12	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0218	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0219	2SA1037AK/QR/-X	SI.TRANSISTOR
	Q0251	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0253	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0261-62	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0381-82	UN2212-X	DEGI.TRANSISTOR
	Q0384-87	DTC323TK-X	DIGI.TRANSISTOR
	Q0501-06	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0507	2SA1037AK/QR/-X	SI.TRANSISTOR
	Q0508-09	2SC2412K/QR/-X	SI.TRANSISTOR
	Q0510-13	UN2212-X	DEGI.TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description	Local
	IC				
	IC0001	UPC1851BCU	I.C(MONO-ANA)		
	IC0151	NJM2150AD	I.C(MONO-ANA)		
	IC0201	TC90A53N	I.C(DIGI-MOS)		
	IC0371	BA15218N	I.C(MONO-ANA)		
	IC0381	TC4066BP/N/	I.C(DIGI-MOS)		
	IC0501	BA7644AN	I.C(MONO-ANA)		
	IC0502	BA7649A	I.C(MONO-ANA)		
	IC0503-04	TC4066BP/N/	I.C(DIGI-MOS)		
	OTHERS				
	J0501	QNZ0454-001	PIN JACK		
	J0502	QNZ0531-001	AV JACK		
	J0503	QNN0348-001	PIN JACK		
	W0060	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0105	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0116	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0165	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0200-01	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0254	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0273	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0275	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0277-78	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0284-86	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0290	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0292	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0302	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0304-06	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0309	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0316	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	W0319	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	
	Y0501-06	NRSA63J-0R0X	MG R	0.0Ω 1/16W J	

⚠	Symbol No.	Part No.	Part Name	Description	Local

REMOTE CONTROL UNIT PARTS LIST(RM-C301G-2A)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR52EC1286C	BATTERY COVER		

DIFFERENCE PARTS LIST BETWEEN AV-36D502/AR, AV-36D502/AH, AV-36D502/AM AND AV-36D502/AY

The picture tubes used for the models AV-36D502/AR, AV-36D502/AH, AV-36D502/AM and AV-36D502/AY are difference. The electrical parts are also difference according to the PICTURE TUBE.
In the DIFFERENCE PARTS LIST BETWEEN AV-36D502/AR, AV-36D502/AH, AV-36D502/AM and AV-36D502/AY, only difference points between these models are written. For other parts not mentioned in the list, please refer to the PARTS LIST(P51 – P57) for the AV-36D502/AR.

DIFFERENCE PARTS LIST

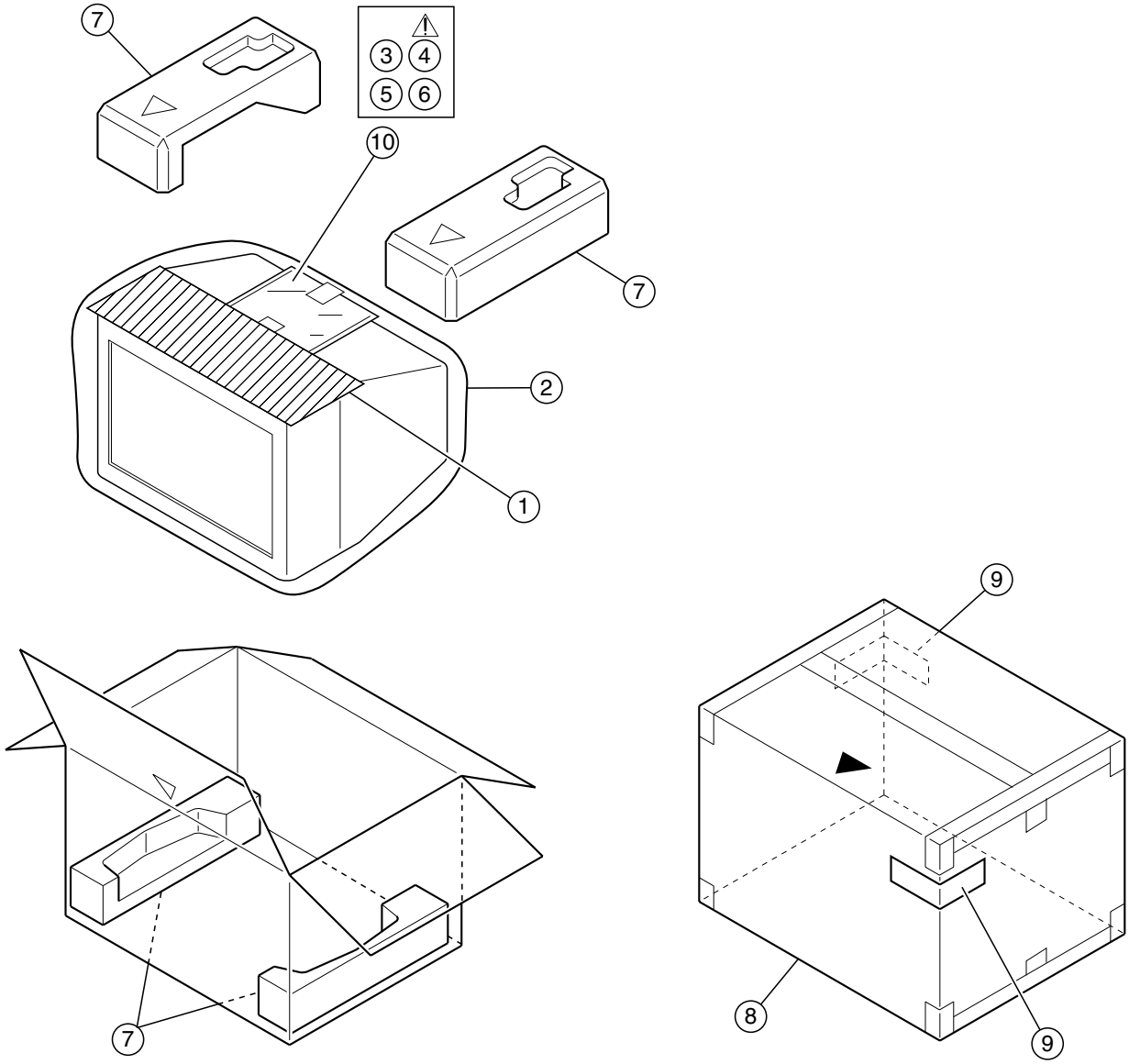
MAIN PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D502/AR	AV-36D502/AH	AV-36D502/AM	AV-36D502/AY	
		SGC-1008A-M2	**SGC-1010A-M2**	**SGC-1009A-M2**	**SGC-1007A-M2**	**MAIN PWB**
	R1427	QRT029J-1R5 (1.5Ω, 2W, J)	QRT029J-1R0 (1Ω, 2W, J)	←	QRT029J-1R5 (1.5Ω, 2W, J)	FM R
	R1504	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
	R1505	QRL039J-102 (1kΩ, 3W, J)	←	QRL039J-821 (820Ω, 3W, J)	QRL039J-102 (1kΩ, 3W, J)	OM R
	C1116	NCB31EK-104X (0.1μF, 25V, K)	NCB31EK-104X (0.1μF, 16V, K)	←	NCB31EK-104X (0.1μF, 25V, K)	OM R
⚠	C1510	QFZ0196-532 (5300pF,1.5kVH,±3%)	←	QFZ0196-582 (5800pF,1.5kVH,±3%)	QFZ0196-532 (5300pF,1.5kVH,±3%)	MPP CAP.
⚠	C1515	QFZ0197-624 (0.62μF, 250V, J)	QFZ0197-564 (0.56μF, 250V, J)	QFZ0197-654 (0.65μF, 250V, J)	QFZ0197-624 (0.62μF, 250V, J)	MPP CAP.
	C1801	NCB31EK-104X (0.1μF, 25V, K)	NCB31CK-104X (0.1μF, 16V, K)	NCB31EK-104X (0.1μF, 25V, K)	←	C CAP.
⚠	C1907	QEZ0169-477	QEZ0561-477	QEZ0169-477	←	E CAP.
⚠	L1511	QQR1027-003	←	CE41029-00A	←	LINE FILTER
⚠	L1521	QQLZ018-560 (56μH)	←	QQLZ026-540 (54μH)	QQLZ026-600 (60μH)	HEATER CHOKE
⚠	F1901	QMF51U1-5R0-J8	←	QMF51U1-5R0-J5	QMF51U1-5R0-J8	FUSE
⚠	TH1902	—	—	QAD0132-3R0	—	W-PTC

CRT SOCKET PWB

⚠	Symbol No.	Part No.				Part Name
		AV-36D502/AR	AV-36D502/AH	AV-36D502/AM	AV-36D502/AY	
		SGC-3007A-M2	**SGC-3008A-M2**	**SGC-3006A-M2**	**SGC-3010A-M2**	**CRT SOCKET PWB**

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	CP30055-A02-A	TOP COVER		
	2	CP30056-004-A	POLY BAG		
	3	RM-C303G-1A	RC HAND UNIT	(AV-36D202, AV-36D302)	
	3	RM-C301G-2A	RC HAND UNIT	(AV-36D502)	
⚠	4	LCT0903-001B-A	INST BOOK		
	5	BT-51020-1Q	REGIST CARD	(AV-36D202 /AR, AV-36D302 /AR, AV-36D502 /AR & AY)	
	5	BT-51028-1Q	REGIST CARD	(AV-36D202 /AH & AM & AY, AV-36D302 /AH & AM & AY, AV-36D502 /AH & AM)	
	6	BT-52004-1Q	WARRANTY CARD		
	7	LC10645-002A-A	CUSHION ASSY	4pcs in 1set	
	8	LC10181-011A-A	PACKING CASE		
	9	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	10	QPA02503505	POLY BAG		

JVC

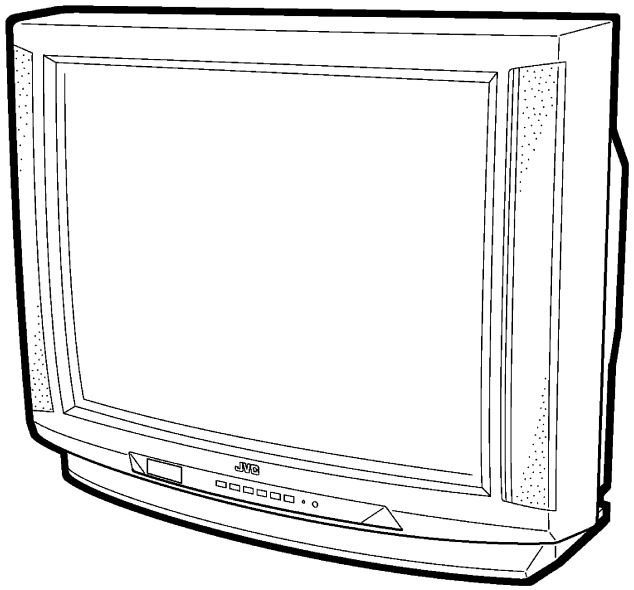
SCHEMATIC DIAGRAMS

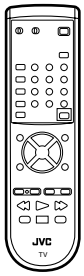
COLOR TELEVISION

BASIC CHASSIS
GC

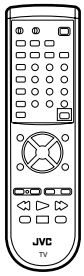
AV-36D202/AH **AV-36D302/AH** **AV-36D502/AH**
AV-36D202/AM **AV-36D302/AM** **AV-36D502/AM**
AV-36D202/AR **AV-36D302/AR** **AV-36D502/AR**
AV-36D202/AY **AV-36D302/AY** **AV-36D502/AY**

CD-ROM No. SML200201





RM-C303G
[AV-36D202]
[AV-36D302]



RM-C301G
[AV-36D502]

COPYRIGHT © 2001 VICTOR COMPANY OF JAPAN, LTD.

No. 51798C
Dec. 2001

AV-36D202 /AH AV-36D302 /AH AV-36D502 /AH
AV-36D202 /AM AV-36D302 /AM AV-36D502 /AM
AV-36D202 /AR AV-36D302 /AR AV-36D502 /AR
AV-36D202 /AY AV-36D302 /AY AV-36D502 /AY
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1) Input signal : Color bar signal
(2) Setting positions of each knob/button and variable resistor : Original setting position when shipped
(3) Internal resistance of tester : DC 20kΩ/V
(4) Oscilloscope sweeping time : H ⇒ 20μS/div
: V ⇒ 5mS/div
: Others ⇒ Sweeping time is specified
(5) Voltage values : All DC voltage values

∗Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

● Resistance value

No unit	: [Ω]
k	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
AC indicated	: AC withstand voltage [V]
Others	: DC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example] : Capacitance value [μF]/withstand voltage[V]

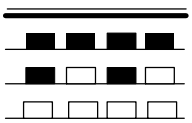
● Type

No indication	: Ceramic capacitor
MY	: Mylar capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3) Coils

No unit	: [μH]
Others	: As specified

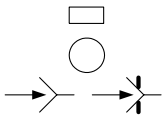
(4) Power Supply



∗Respective voltage values are indicated

(5) Test point

(6) Connecting method



(7) Ground symbol

⊥ : LIVE side ground
⏥ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
⏛ : DIGITAL ground

5. NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏥) side GND. Therefore, care must be taken for the following points.

(1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
(2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time with a measuring apparatus (oscilloscope, etc.). If the above precaution is not respected , a fuse or any parts will be broken.

● **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

Dec. 2001 No. 51798C

CONTENTS

SEMICONDUCTOR SHAPES 2-2

BLOCK DIAGRAM 2-3

CIRCUIT DIAGRAMS 2-5

MAIN PWB CIRCUIT DIAGRAM (1/3) 2-5
MAIN PWB CIRCUIT DIAGRAM (2/3) 2-7
MAIN PWB CIRCUIT DIAGRAM (3/3) 2-9
AV SELECTOR PWB CIRCUT DIAGRAM 2-11
PIP PWB CIRCUIT DIAGRAM [AV-36D502] 2-13
CRT SOCKET PWB CIRCUIT DIAGRAM 2-15
FRONT CONTROL AND FRONT AV INPUT PWB CIRCUIT DIAGRAMS 2-16

PATTERN DIAGRAMS 2-17

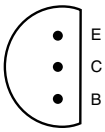
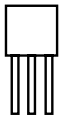
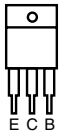
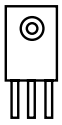
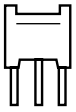
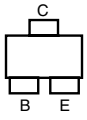
MAIN PWB PATTERN 2-17
AV SELECTOR PWB PATTERN 2-19
CRT SOCKET PWB PATTERN 2-21
PIP PWB PATTERN [AV-36D502] 2-22
FRONT CONTROL AND FRONT AV INPUT PWB PATTERNS 2-23

CHANNEL CHART (US) 2-25

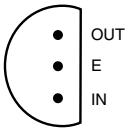
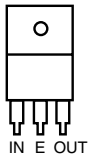
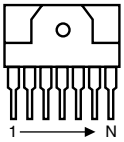
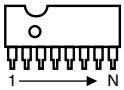
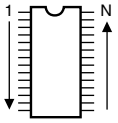
CHANNEL CHART (CA) 2-26

SEMICONDUCTOR SHAPES

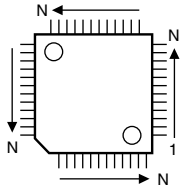
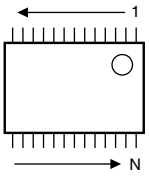
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

IC

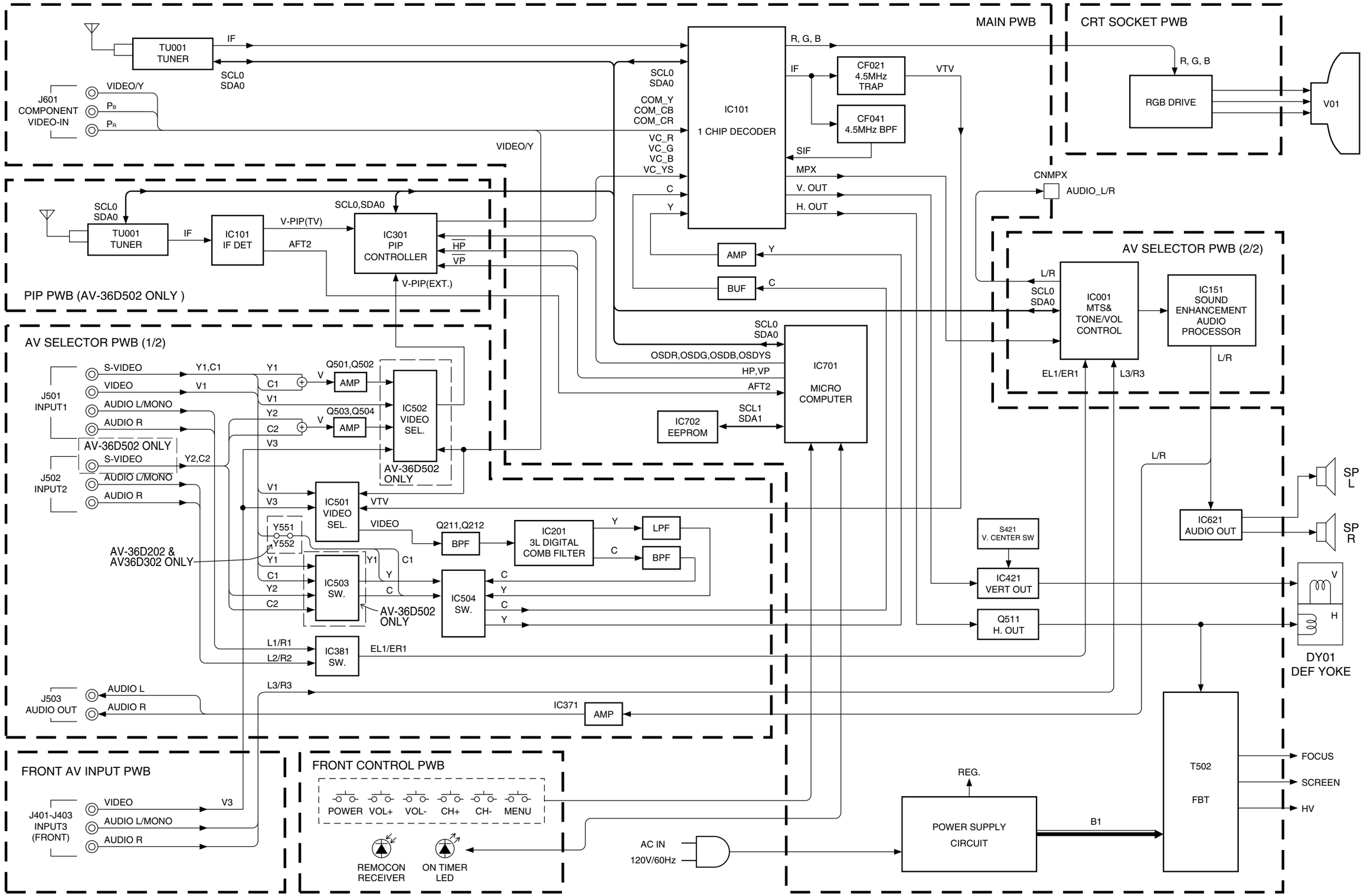
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

TOP VIEW		
		

AV-36D202
AV-36D302
AV-36D502

BLOCK DIAGRAM



AV-36D202
AV-36D302
AV-36D502

CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/3)

MAIN PWB ASS'Y
SGC-1010A-M2 (AV-36D502/AH)
SGC-1009A-M2 (AV-36D502/AM)
SGC-1008A-M2 (AV-36D502/AR)
SGC-1007A-M2 (AV-36D502/AY)
SGC-1017A-M2 (AV-36D202/AH, AV36D302/AH)
SGC-1018A-M2 (AV-36D202/AM, AV36D302/AM)
SGC-1016A-M2 (AV-36D202/AR, AV-36D302/AR)
SGC-1015A-M2 (AV-36D202/AY, AV-36D302/AY)

INPUT-2
(COMPONENT
VIDEO INPUT)

IC101
TB1253AN
1CHIP DECODER

NOTE

∗1 : 2SC2412K/QR/-X
∗2 : 2SA1037AK/QR/-X
∗3 : 1SS133-T2
∗4 : MTZJ9. IC-T2
∗5 : UN2212-X
∗6 : MTZJ5. 6B-T2
BW : IM-BW
0 : NRSA63J-0R0X
X : NON MOUNT

∗DIFFERENCE LIST(∗PARTS)

	SGC-1007A-M2	SGC-1008A-M2	SGC-1009A-M2	SGC-1010A-M2	SGC-1015A-M2	SGC-1016A-M2	SGC-1017A-M2	SGC-1018A-M2
C013	150p	150p	150p	150p	×	×	×	×
Y004	0	0	0	0	×	×	×	×
⚠TU001	QAU247-1	QAU247-1	QAU247-1	QAU247-1	QAU176-1	QAU176-1	QAU176-1	QAU176-1

AV-36D202
AV-36D302
AV-36D502

MAIN PWB CIRCUIT DIAGRAM (2/3)

MAIN PWB ASS'Y
SGC-1010A-M2 (AV-36D502/AH)
SGC-1009A-M2 (AV-36D502/AM)
SGC-1008A-M2 (AV-36D502/AR)
SGC-1007A-M2 (AV-36D502/AY)
SGC-1017A-M2 (AV-36D202/AH, AV36D302/AH)
SGC-1018A-M2 (AV-36D202/AM, AV-36D302/AM)
SGC-1016A-M2 (AV-36D202/AR, AV-36D302/AR)
SGC-1015A-M2 (AV-36D202/AY, AV-36D302/AY)

TO AV SELECTOR PWB CN001

TO PIP PWB CN002

TO SPEAKER L/R

TO FRONT CONTROL PWB CN007

NOTE

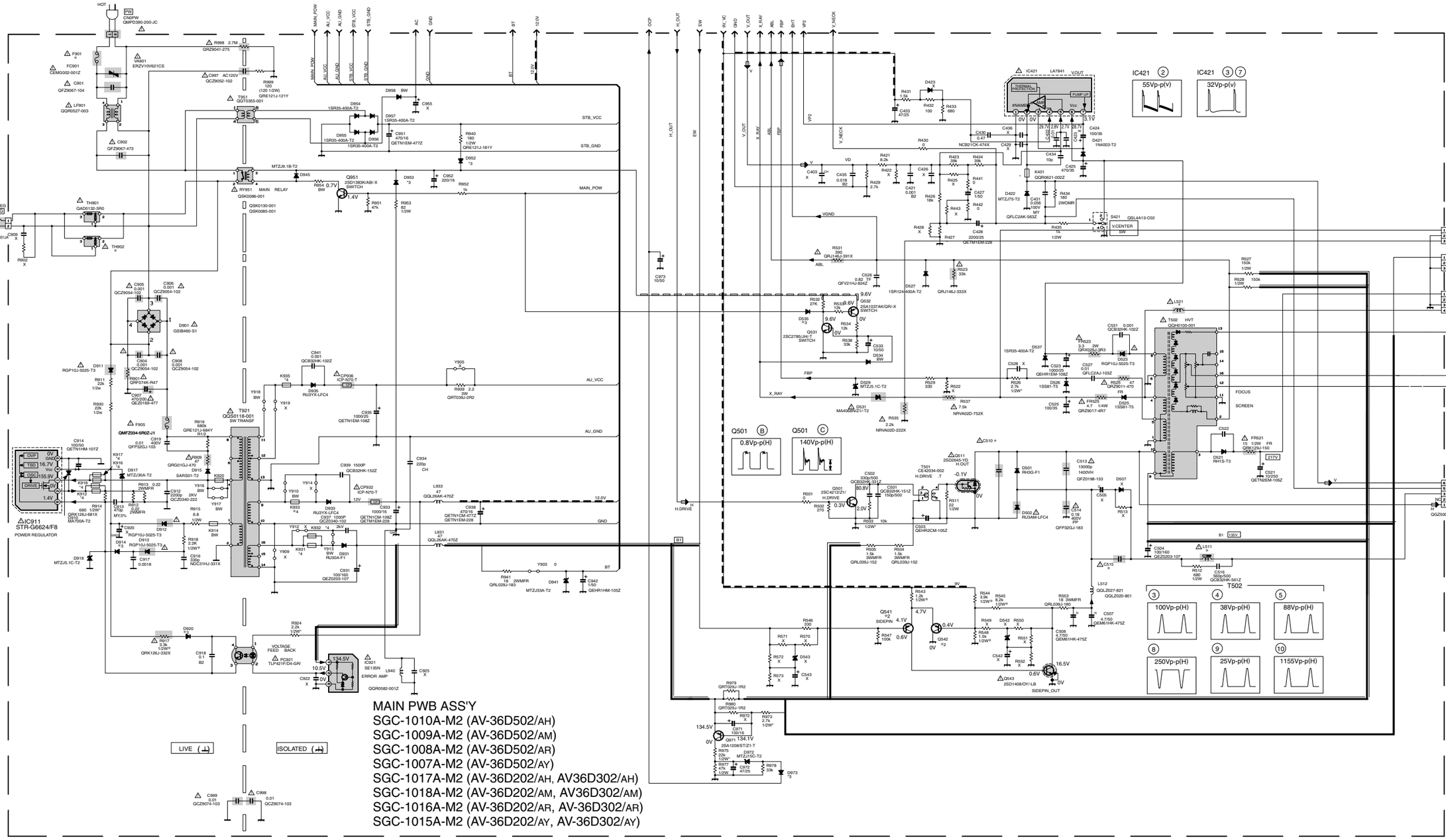
∗1	: 2SC2412K/QR/-X
∗2	: 2SA1037AK/QR/-X
∗3	: 1SS133-T2
∗5	: UN2212-X
∗6	: MTZJ5. 6B-T2
BW	: IM-BW
0	: NRSA63J-0R0X
X	: NON MOUNT

∗DIFFERENCE LIST(∗PARTS)

	R744	R745	R714	R822	C721	R801	R802	R803	R804	CN002
SGC-1007A	×	0	82k	120k	0.01	×	×	×	×	QGB1505J1-25
SGC-1008A	×	0	82k	120k	0.01	×	×	×	×	QGB1505J1-25
SGC-1009A	×	0	82k	120k	0.01	×	×	×	×	QGB1505J1-25
SGC-1010A	×	0	82k	120k	0.01	×	×	×	×	QGB1505J1-25
SGC-1015A	10k	×	×	0	×	0	0	0	0	×
SGC-1016A	10k	×	×	0	×	0	0	0	0	×
SGC-1017A	10k	×	×	0	×	0	0	0	0	×
SGC-1018A	10k	×	×	0	×	0	0	0	0	×

AV-36D202
AV-36D302
AV-36D502

MAIN PWB CIRCUIT DIAGRAM (3/3)



MAIN PWB ASS'Y
SGC-1010A-M2 (AV-36D502/AH)
SGC-1009A-M2 (AV-36D502/AM)
SGC-1008A-M2 (AV-36D502/AR)
SGC-1007A-M2 (AV-36D502/AY)
SGC-1017A-M2 (AV-36D202/AH, AV36D302/AH)
SGC-1018A-M2 (AV-36D202/AM, AV36D302/AM)
SGC-1016A-M2 (AV-36D202/AR, AV-36D302/AR)
SGC-1015A-M2 (AV-36D202/AY, AV-36D302/AY)

＊DIFFERENCE LIST(＊PARTS)

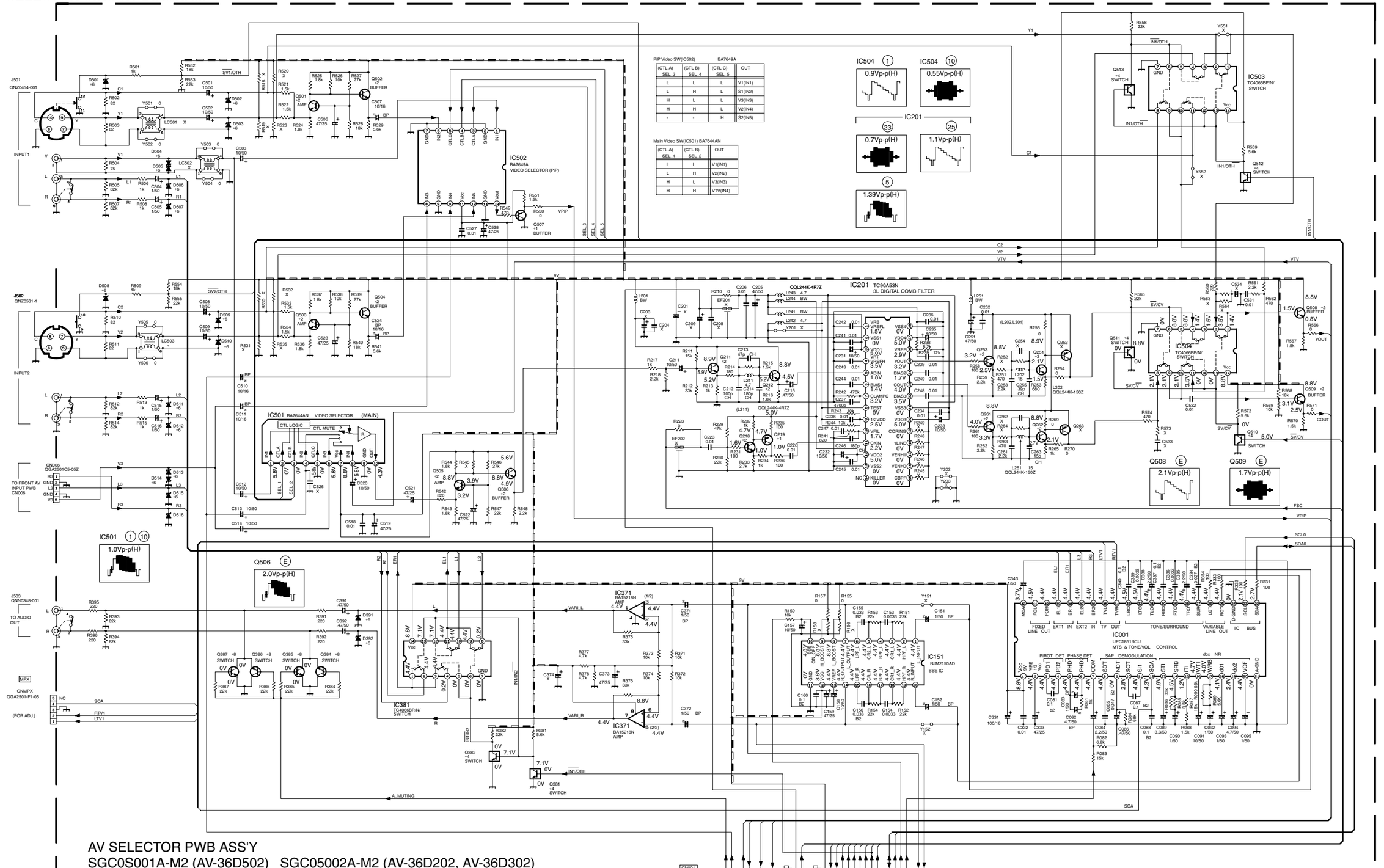
	SGC-100TA	SGC-1015A	SGC-1008A	SGC-1016A	SGC-1010A	SGC-1017A	SGC-1009A	SGC-1018A
⚠L521	QQLZ018-600	QQLZ018-600	QQLZ018-560	QQLZ018-560	QQLZ018-560	QQLZ018-560	QQLZ026-540	QQLZ026-540
⚠L511	CE41029-00A	CE41029-00A	QQR1027-3	QQR1027-3	QQR1027-3	QQR1027-3	CE41029-00A	CE41029-00A
⚠C510	QFZ0196-532	QFZ0196-532	QFZ0196-532	QFZ0196-532	QFZ0196-532	QFZ0196-532	QFZ0196-582	QFZ0196-582
⚠C515	QFZ0197-564	QFZ0197-564	QFZ0197-624	QFZ0197-624	QFZ0197-564	QFZ0197-564	QFZ0197-654	QFZ0197-654
⚠TH902	×	×	×	×	×	×	QAD0132-3R0	QAD0132-3R0
R504	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-821	QRL039J-821
R505	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-102	QRL039J-821	QRL039J-821
R427	QRT029J-1R5	QRT029J-1R5	QRT029J-1R5	QRT029J-1R5	QRT029J-1R0	QRT029J-1R0	QRT029J-1R0	QRT029J-1R0
⚠F901	QMF51U1-5R0-J8	QMF51U1-5R0-J8	QMF51U1-5R0-J8	QMF51U1-5R0-J8	QMF51U1-5R0-J8	QMF51U1-5R0-J8	QMF51N1-5R0-J5	QMF51N1-5R0-J5

NOTE

BW : IM-BW
0 : NRSA63J-0R0X
X : NON MOUNT
＊2 : 2SA1037AK/QR/-X
＊3 : 1SS133-T2
＊4 : QQR0582-001Z

AV-36D202
AV-36D302
AV-36D502

AV SELECTOR CIRCUIT DIAGRAM


IC502 BA7649A VIDEO SELECTOR (PIP)
IC501 BA7644AN VIDEO SELECTOR (MAIN)
IC201 TC90A53N 3L DIGITAL COMB FILTER
QQL244K-4RTZ
IC503 TC4066BP/N/ SWITCH
IC504 TC4066BP/N/ SWITCH
IC001 UPC1851BCU MTS & TONE/VOL CONTROL
IC371 BA15218N AMP
IC381 TC4066BP/N/ SWITCH
IC151 NJM2150AD BBE IC
PIP Video SW(IC502) BA7649A
Main Video SW(IC501) BA7644AN
AV SELECTOR PWB ASS'Y
SGC0S001A-M2 (AV-36D502) SGC05002A-M2 (AV-36D202, AV-36D302)
TO MAIN PWB CN001

∗DIFFERENCE LIST(∗PARTS)

	IC502	C527	C528	R549	Q507	R550	R551	C510	C511	R518	R519	R520	R521	R522	R523	R524	R525	R526	R527	R528
SGC05001A	BA7649A	0.01	47/25	470	∗1	0	1.5k	10/16	10/16	X	X	X	1.5k	1.5k	1.5k	1.8k	1.8k	10k	27k	18k
SGC05002A	X	X	X	X	X	X	X	X	X	15k	10k	15k	X	X	10k	X	X	X	X	X

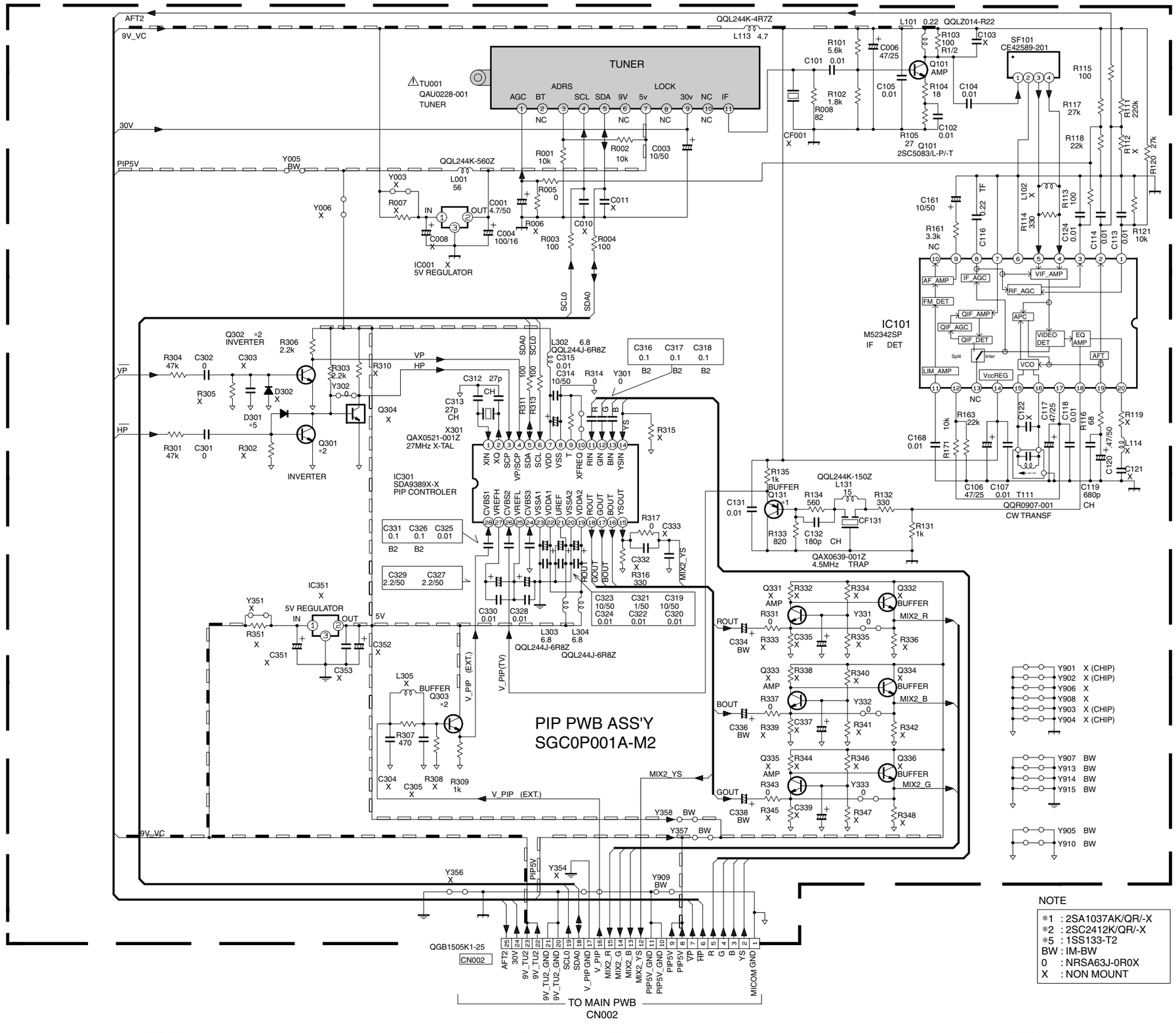
	R529	Q501	Q502	C503	C506	C507	J502	R509	R510	R511	R554	R555	R533	R534	R536	R537	R538	R539	R540	R541
SGC05001A	5.6k	∗2	∗2	10/50	47/25	10/16	QNN0531-1	1k	82	82	18k	22k	1.5k	1.5k	1.8k	1.8k	10k	27k	18k	5.6k
SGC05002A	X	X	X	X	X	X	QNN0348-1	X	X	X	X	X	X	X	X	X	X	X	X	X

	D508	Y505	Y506	C508	C509	D509	D510	C523	C524	Q503	Q504	IC503	Q512	Q513	R558	R559	Y551	Y552
SGC05001A	∗6	0	0	10/50	10/50	∗6	∗6	47/25	10/16	∗2	∗2	TC4066BP/N/	∗4	∗4	22k	5.6k	X	X
SGC05002A	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	0	0

NOTE

∗1 : 2SA1037AK/QR/-X
∗2 : 2SC2412K/QR/-X
∗4 : UN2212-X
∗6 : MTZJ9. IC-T2
∗8 : DTC323TK-X
BW : IM-BW
0 : NRSA63J-0R0X
X : NON MOUNT

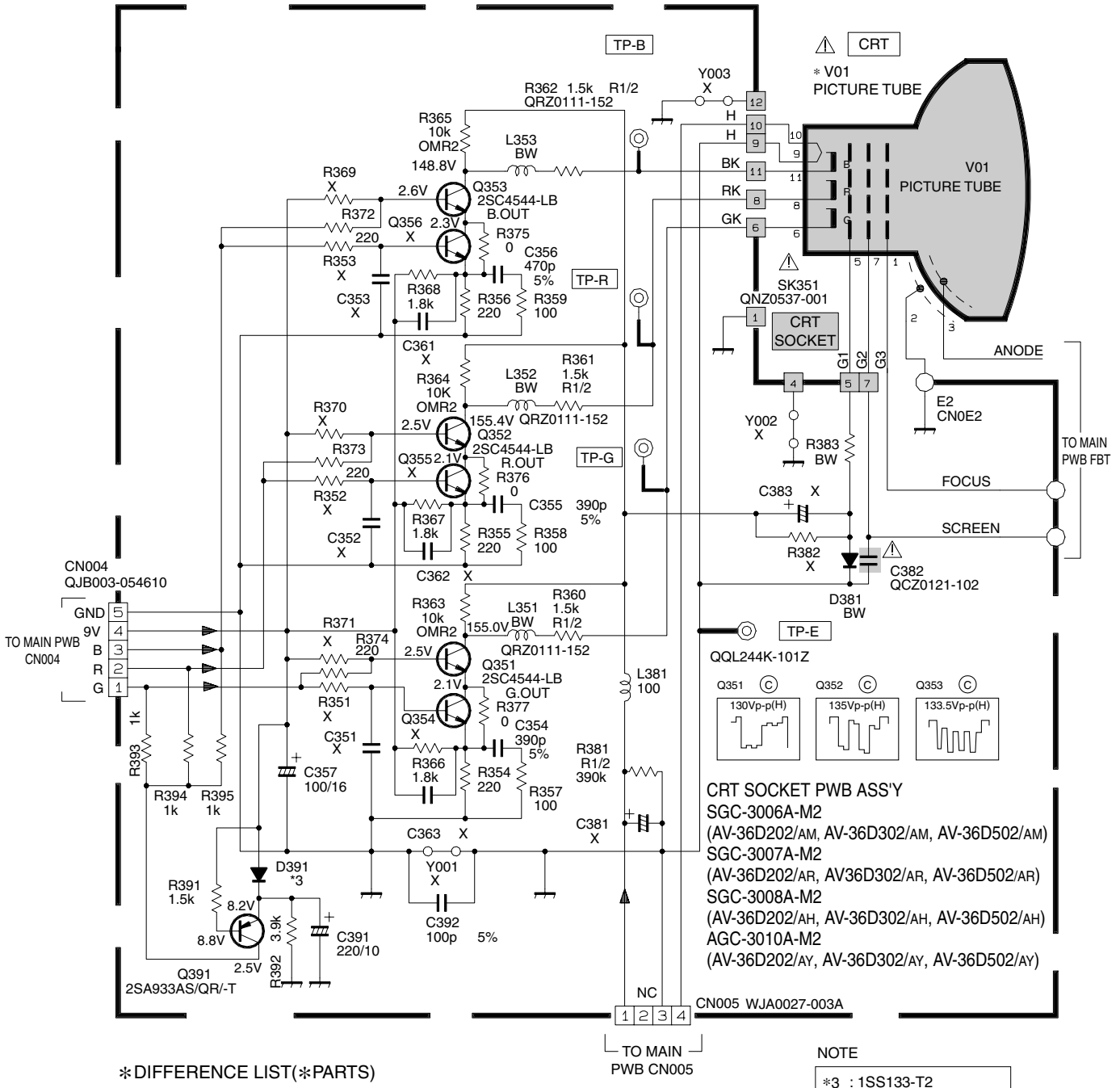
PIP PWB CIRCUIT DIAGRAM [AV-36D502]



NOTE

*1	: 2SA1037AK/QR/-X
*2	: 2SC2412K/QR/-X
*5	: 1SS133-T2
BW	: IM-BW
0	: NRSA63J-0R0X
X	: NON MOUNT

CRT SOCKET PWB CIRCUIT DIAGRAM



＊DIFFERENCE LIST(＊PARTS)

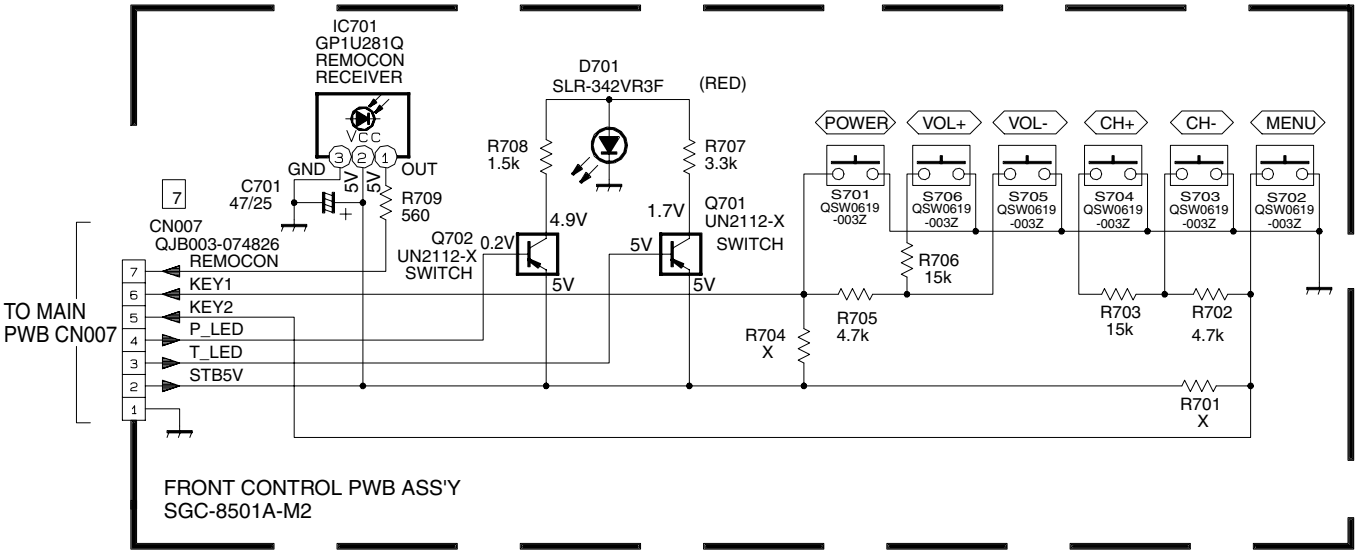
	SGC-3006A	SGC-3007A	SGC-3008A	SGC-3010A
⚠V01	A90LLD361X15	A90AEJ15X01	A90LPY30X04	A90AHH50X10/V/
Y002	X	X	X	BW

NOTE

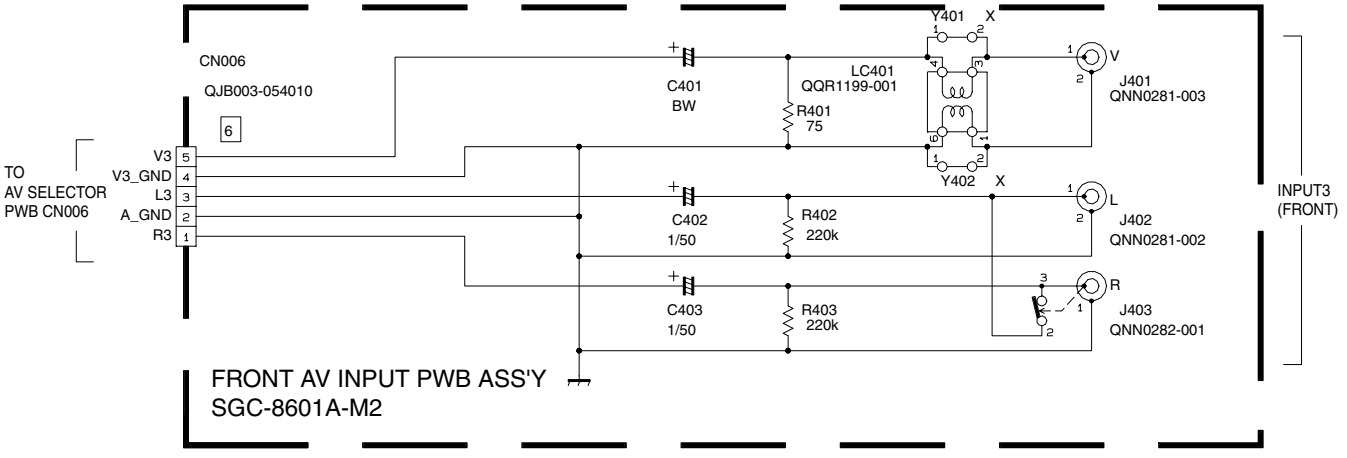
＊3 : 1SS133-T2
BW : IM-BW
X : NON MOUNT

FRONT CONTROL AND FRONT AV INPUT PWB CIRCUIT DIAGRAMS

- FRONT CONTROL -



- FRONT AV INPUT -



NOTE

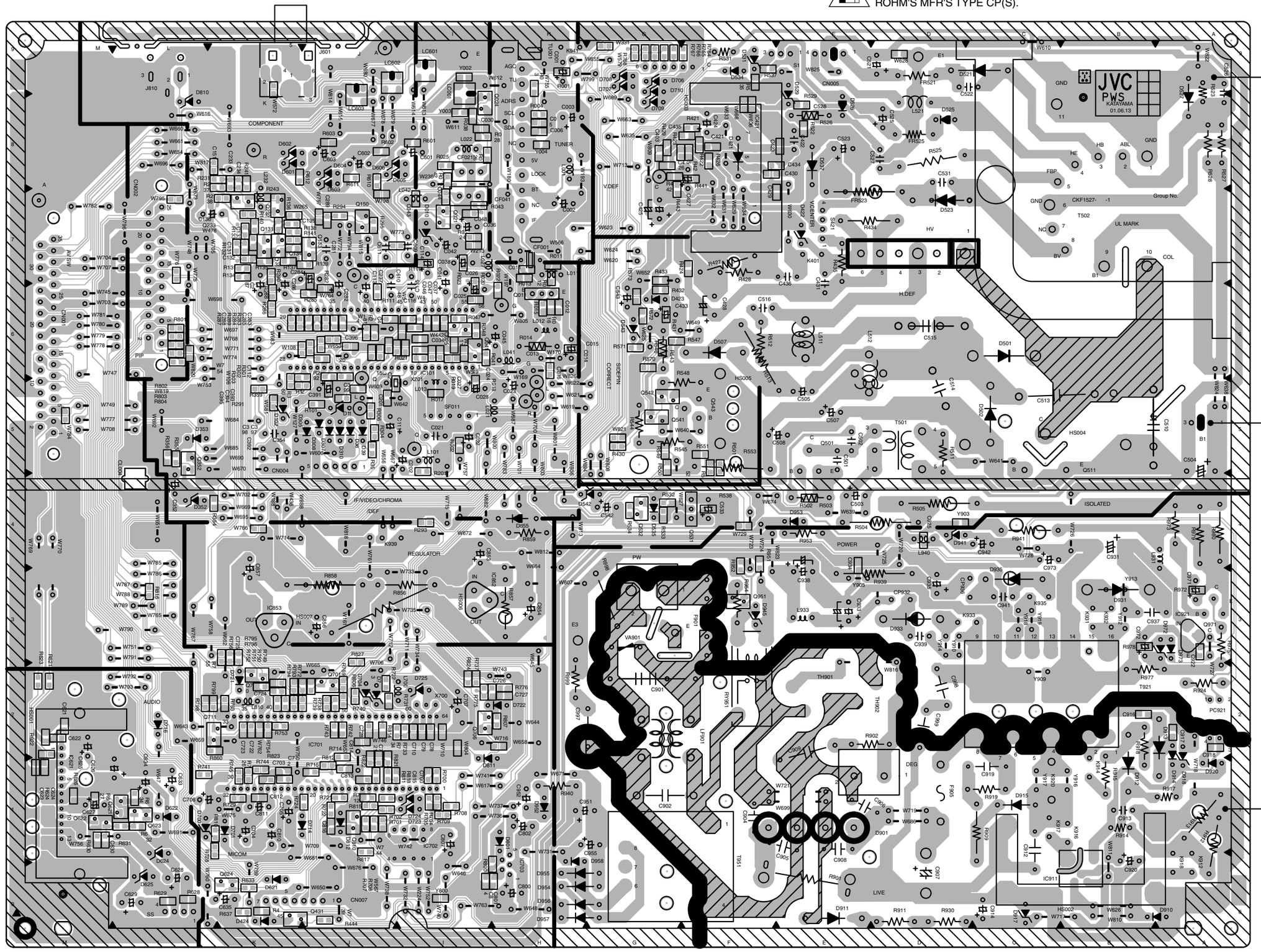
X	: NON MOUNT

AV-36D202
AV-36D302
AV-36D502

PATTERN DIAGRAMS

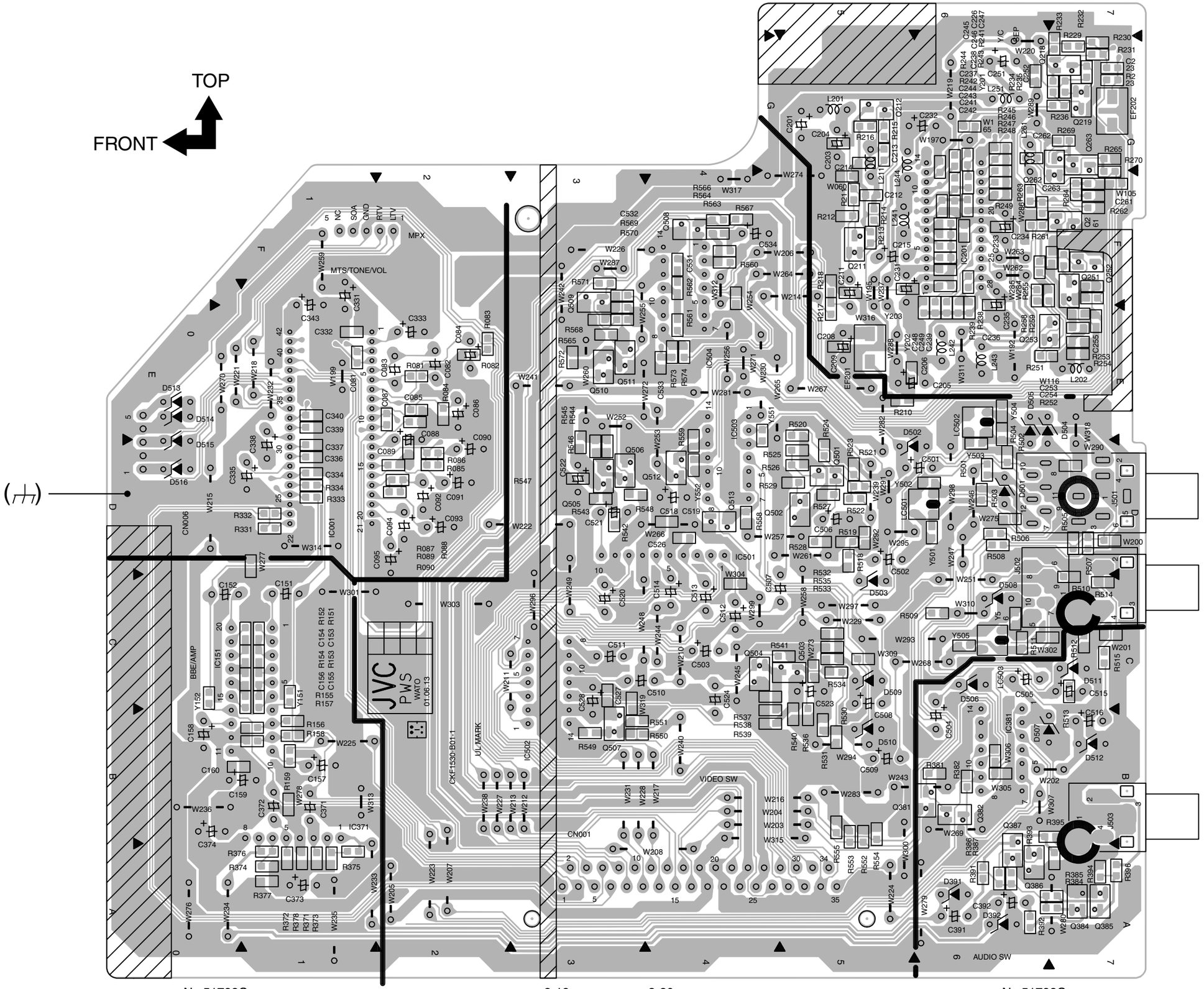
MAIN PWB PATTERN

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATED FUSE (S) AND ROHM'S MFR'S TYPE CP(S).



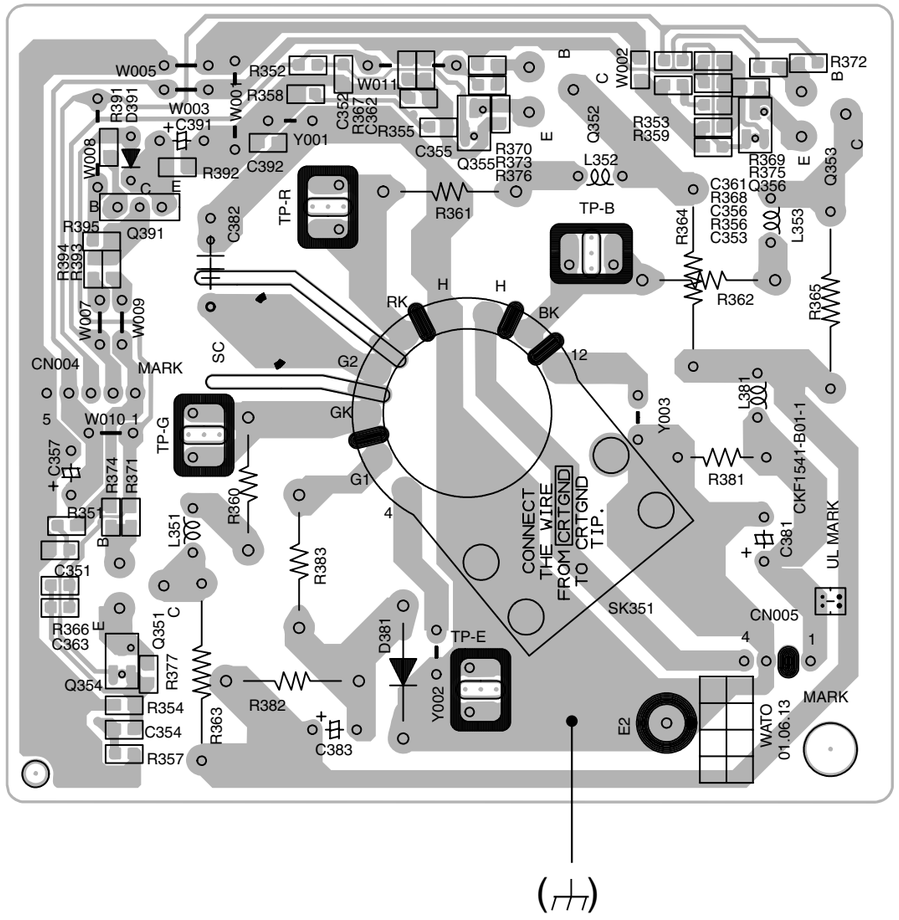
AV-36D202
AV-36D302
AV-36D502

AV SELECTOR PWB PATTERN



CRT SOCKET PWB PATTERN

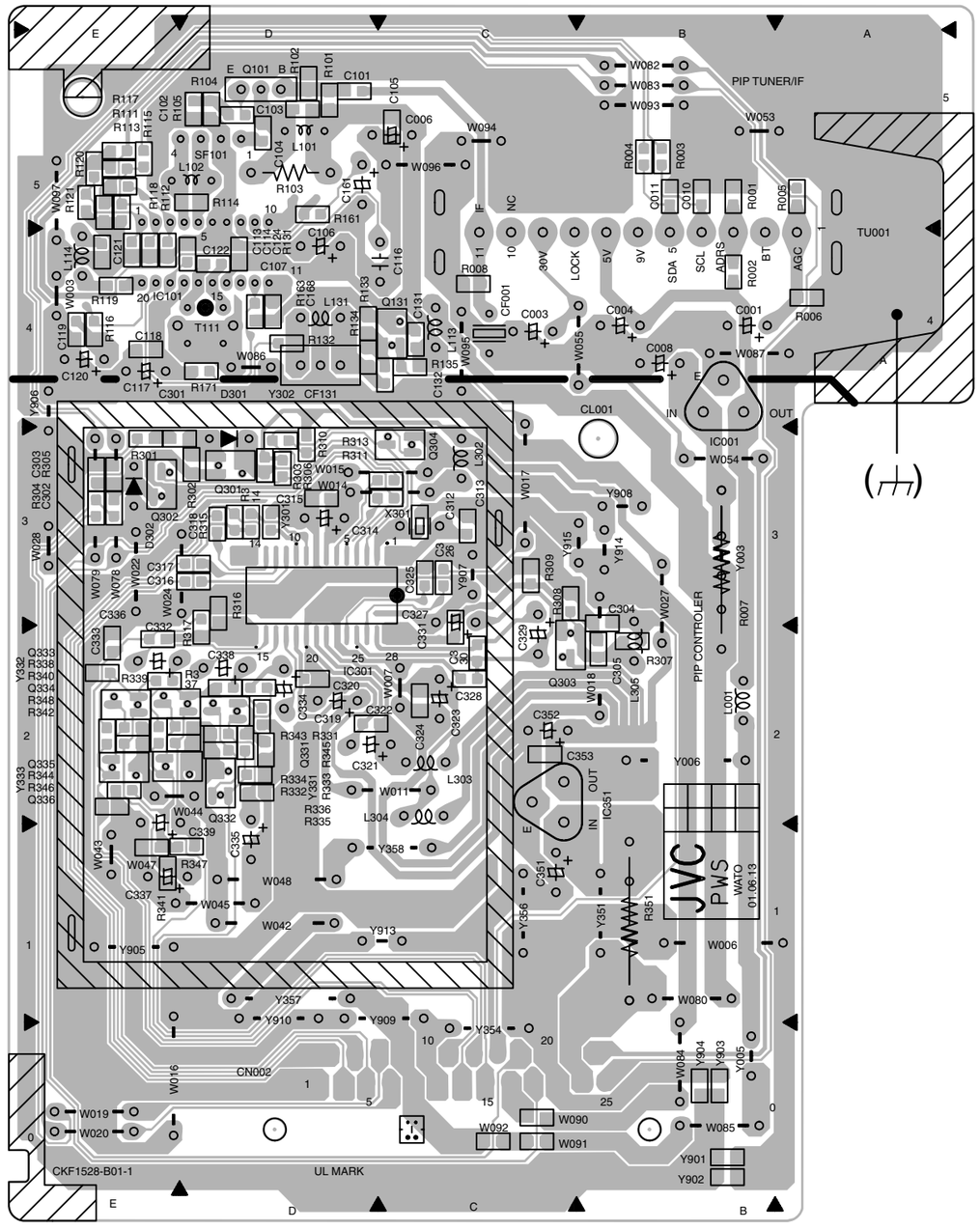
TOP



PIP PWB PATTERN [AV-36D502]

TOP

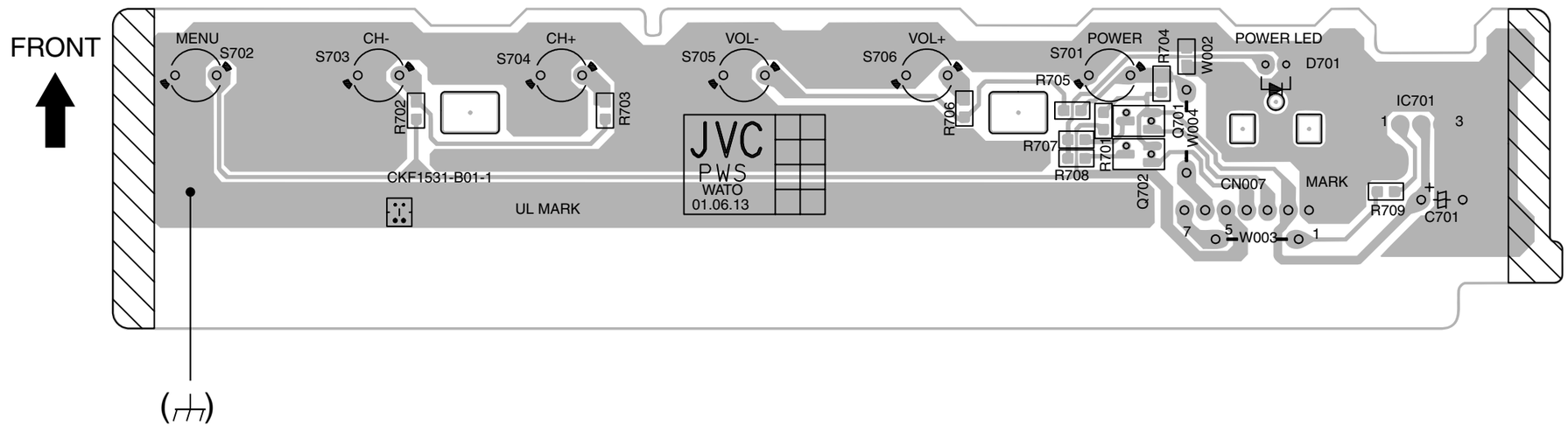
FRONT



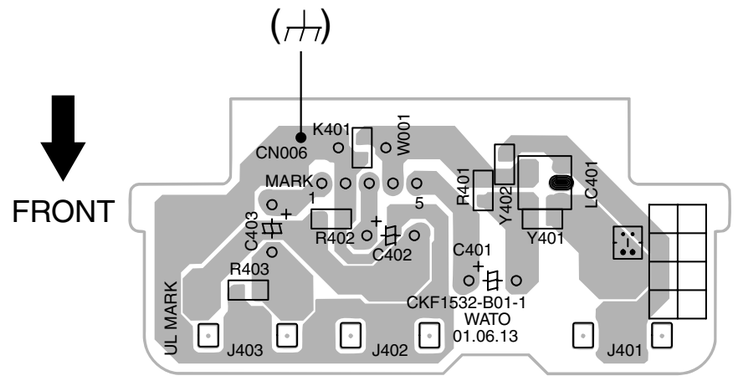
AV-36D202
AV-36D302
AV-36D502

FRONT CONTROL AND FROPNT AV INPUT PWB PATTERNS

- FRONT CONTROL -



- FRONT AV INPUT -



CHANNEL CHART (US)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 ≀ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

CHANNEL CHART (CA)

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	III
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	IV
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE		BAND	CHANNEL		TUNER BAND
TV	CATV		REAL	DISP.	
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ≀ 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

Head office	:	1700 Valley Road, Wayne, New Jersey 07470	(973)317-5000
East Coast	:	10 New Maple Avenue, Pine Brook, New Jersey 07058	(973)396-1000
Midwest	:	705 Enterprise St. Aurora, Illinois 60504	(630)851-7855
West Coast	:	5665 Corporate Avenue, Cypress, California 90630	(714)229-8011
Southwest	:	10700 Hammerly, Suite 105, Houston, Texas 77043	(713)935-9331
Hawaii	:	2969 Mapunapuna Place, Honolulu, Hawaii 96819	(808)833-5828
Southeast	:	1500 Lakes Parkway, Lawrenceville, Georgia 30243	(770)339-2582

JVC CANADA INC.

Head office	:	21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Vancouver	:	13040 Worster Court Richmond B.C. V6V 2B3	(604)270-1311

JVC®

AV36D202AH-UCM #4 AV36D302AH-UCM #4 AV36D502AH-UCM #4
AV36D202AM-UCM #4 AV36D302AM-UCM #4 AV36D502AM-UCM #4
AV36D202AR-UCM #4 AV36D302AR-UCM #4 AV36D502AR-UCM #4
AV36D202AY-UCM #4 AV36D302AY-UCM #4 AV36D502AY-UCM #4

Printed in Japan
VP0112
SW